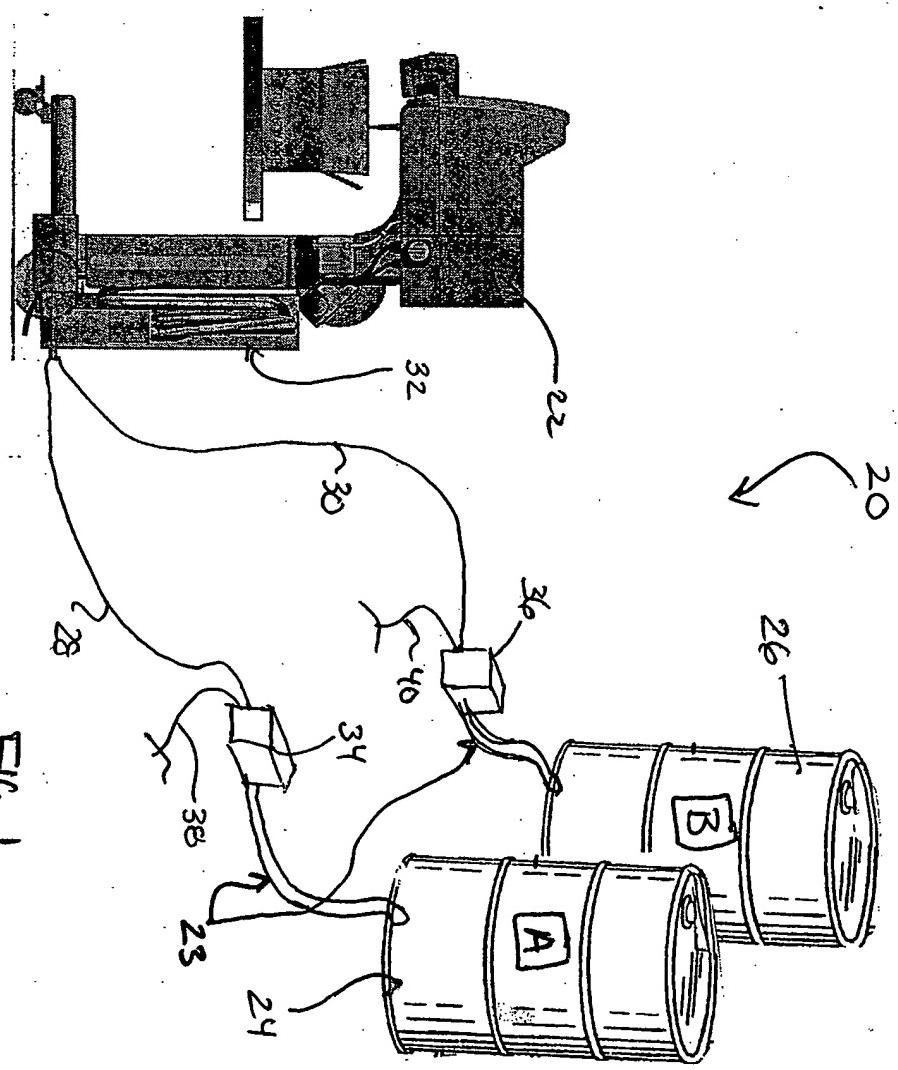
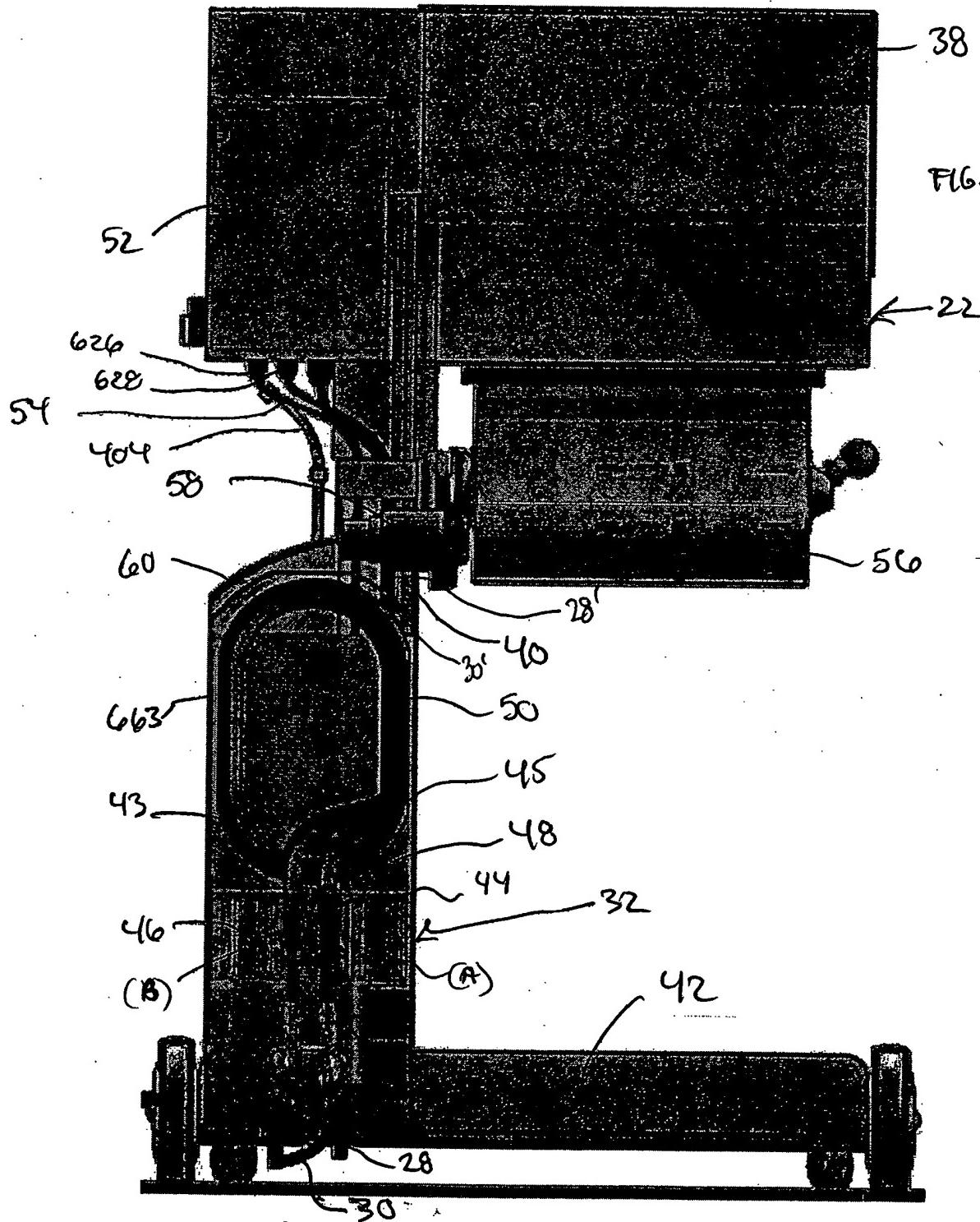


FIG. 1



38

FIG. 2



BEST AVAILABLE COPY

FIG. 3

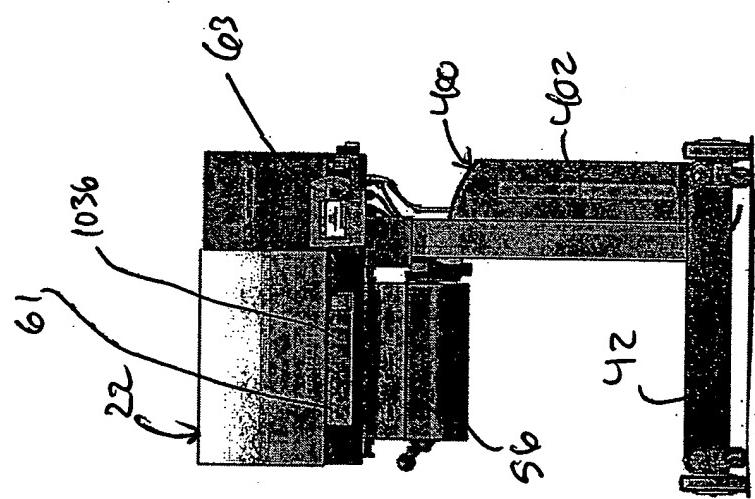


FIG. 4

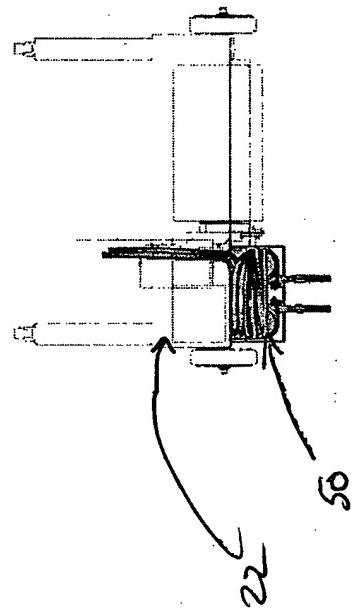


FIG. 5

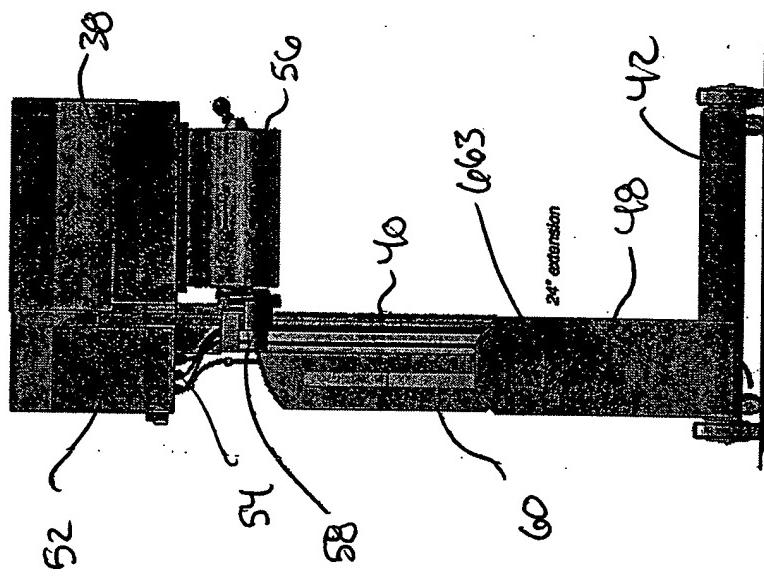
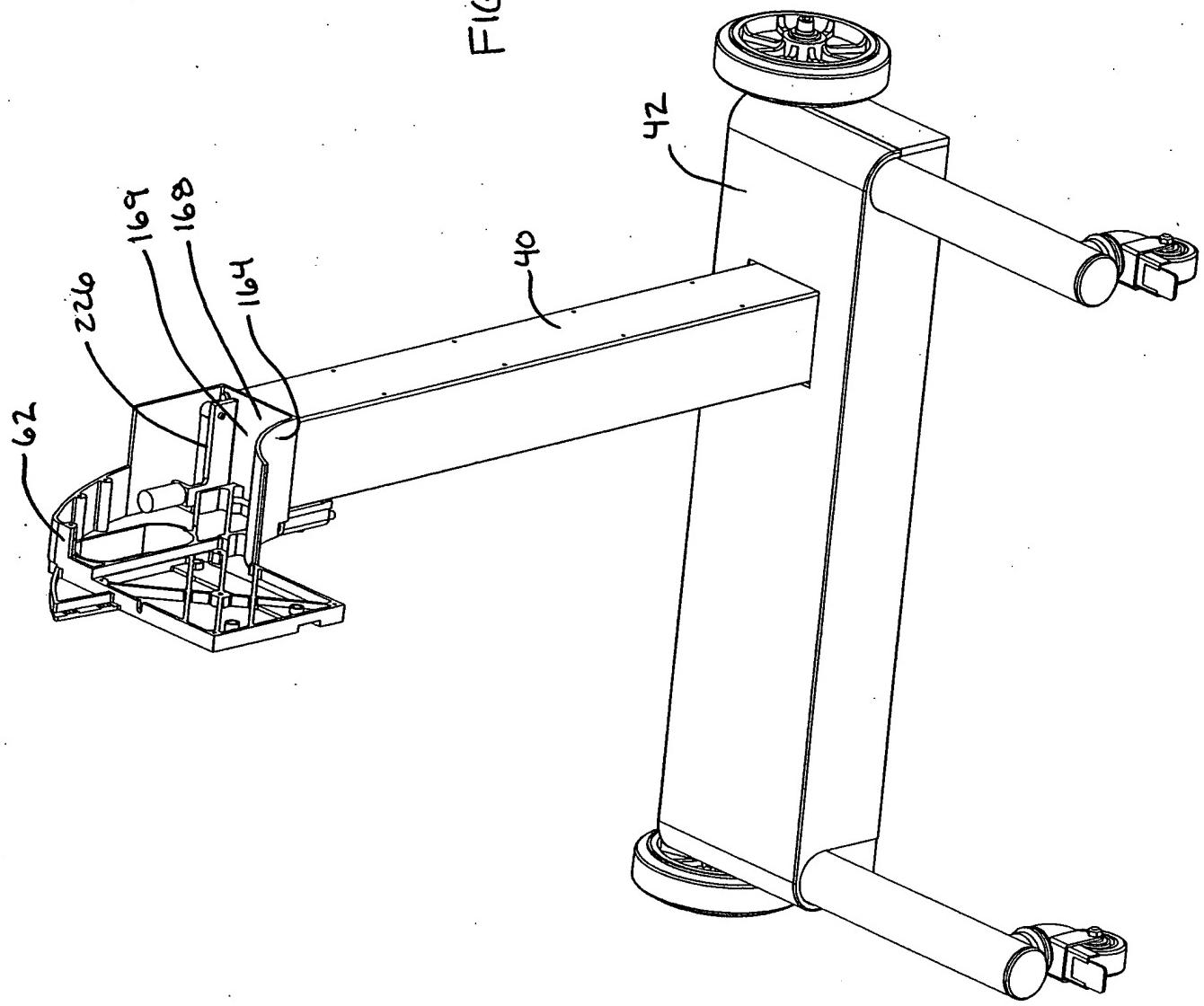
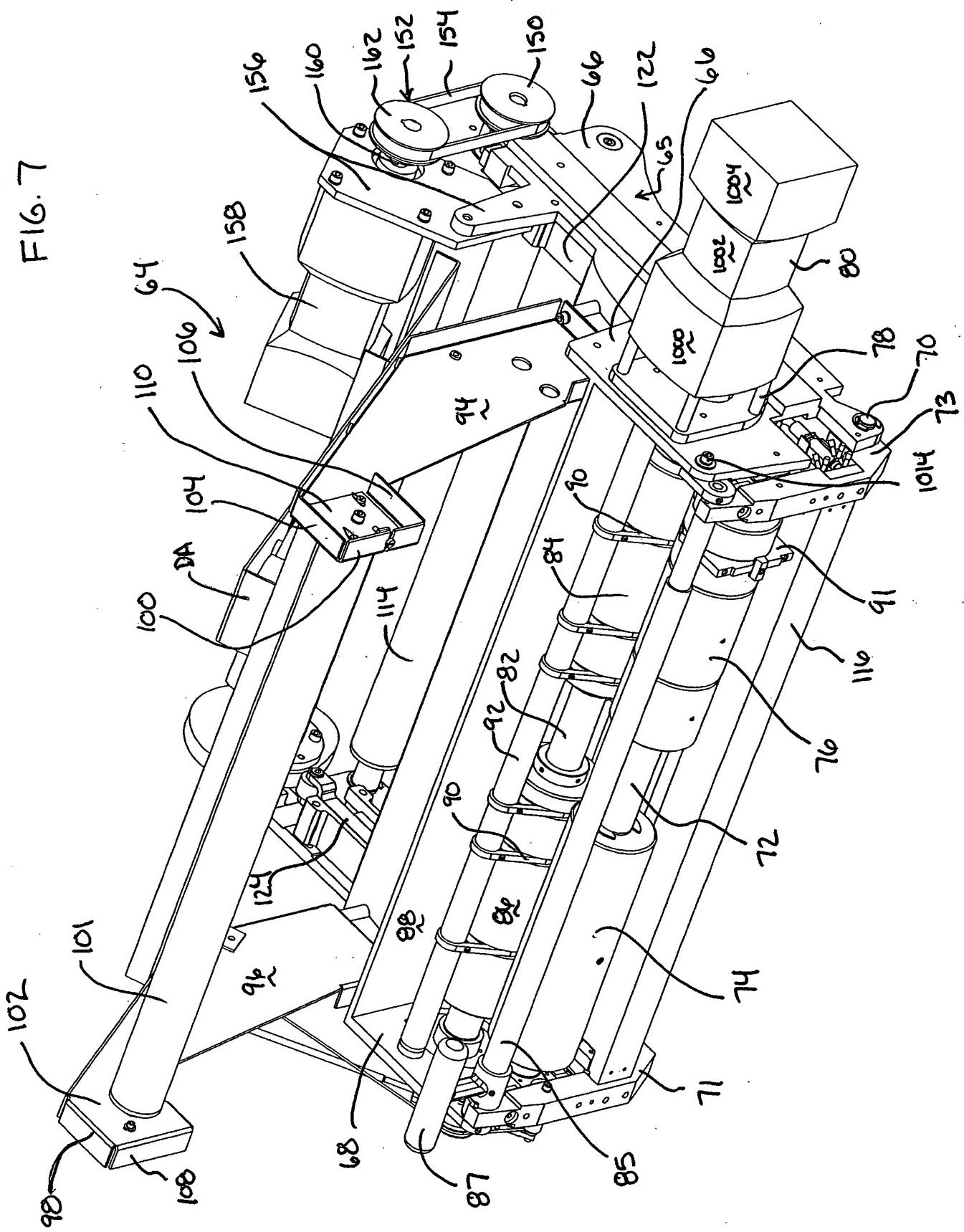


FIG. 4





F16.8

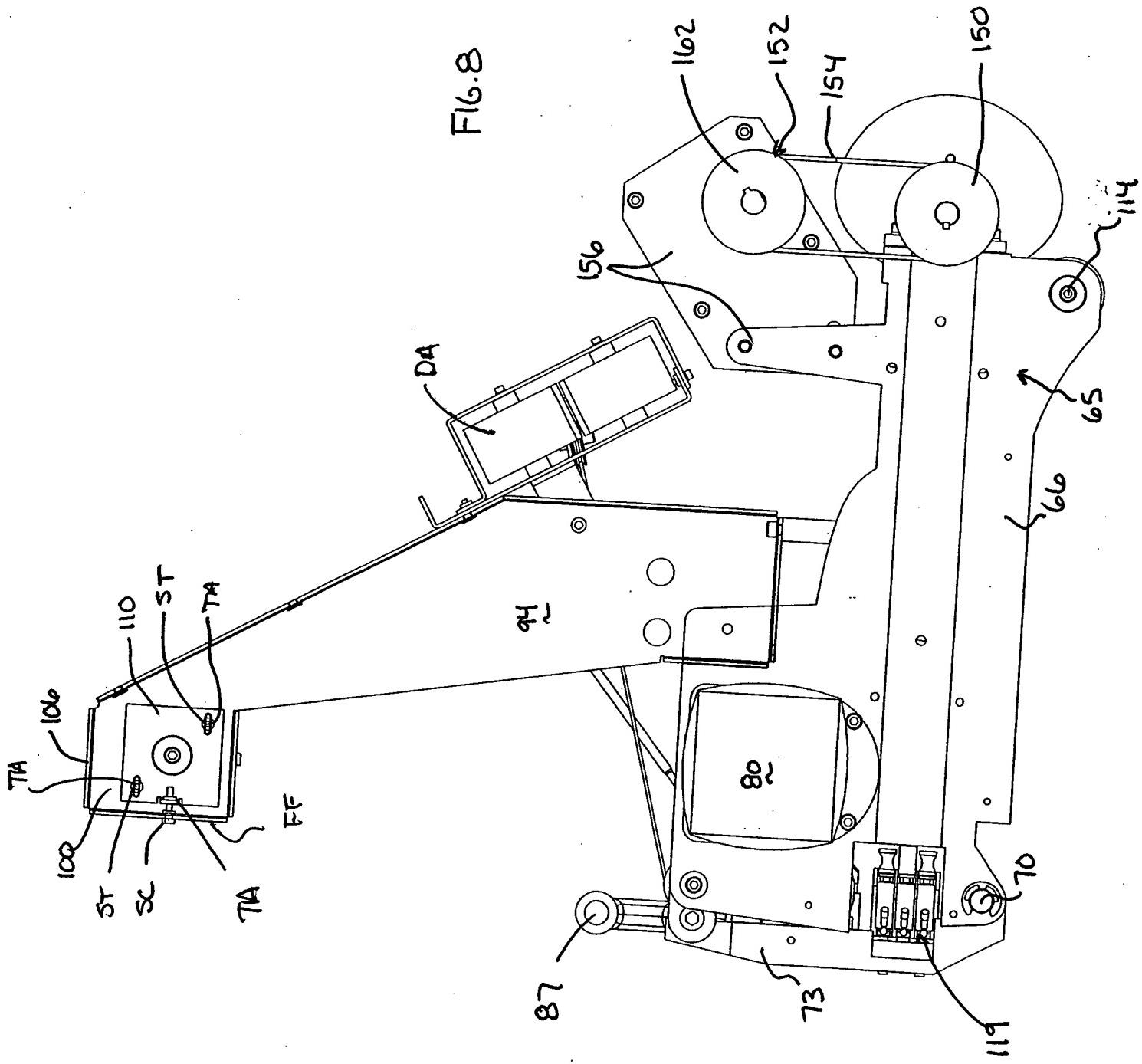
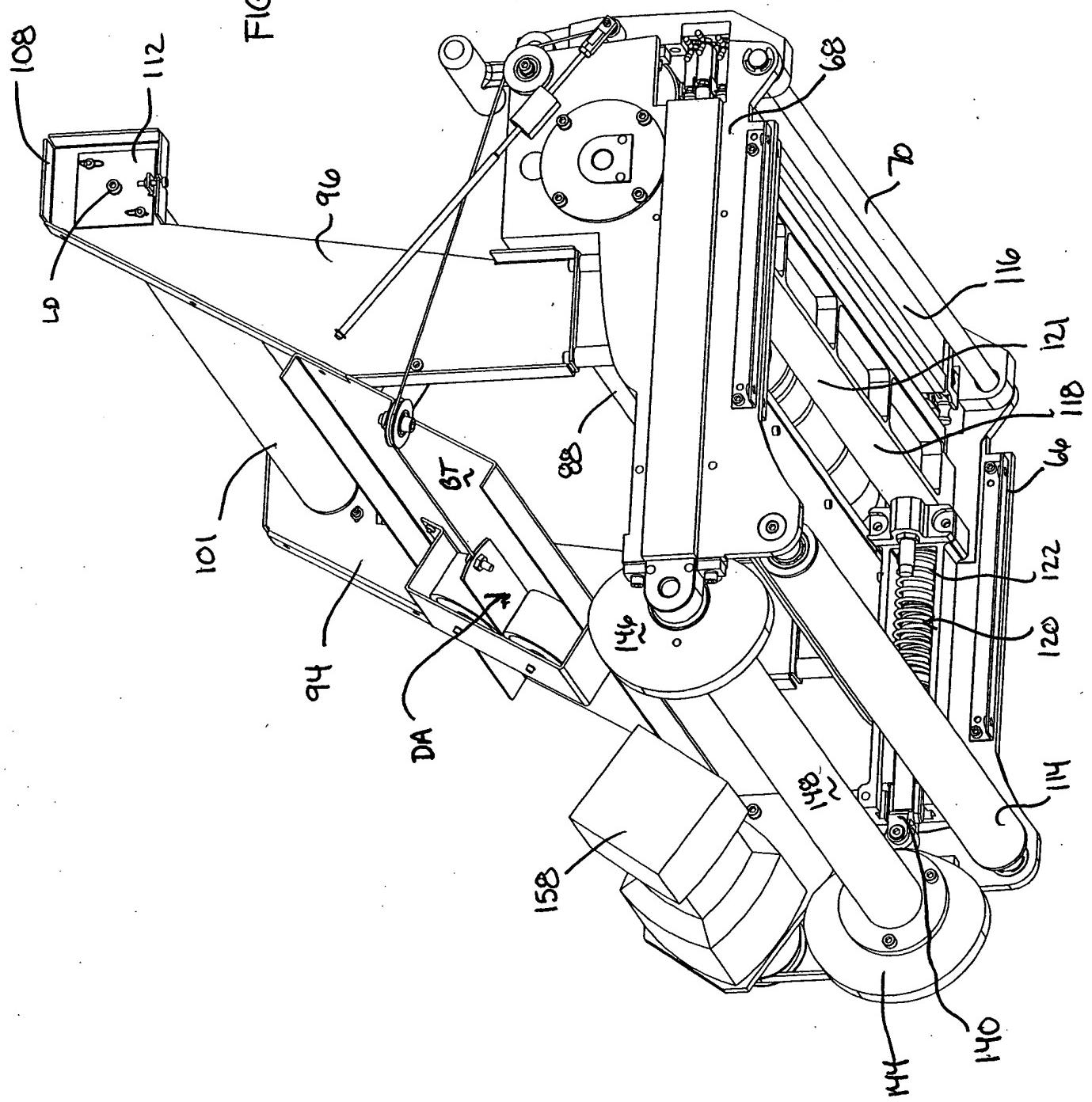


FIG. 9



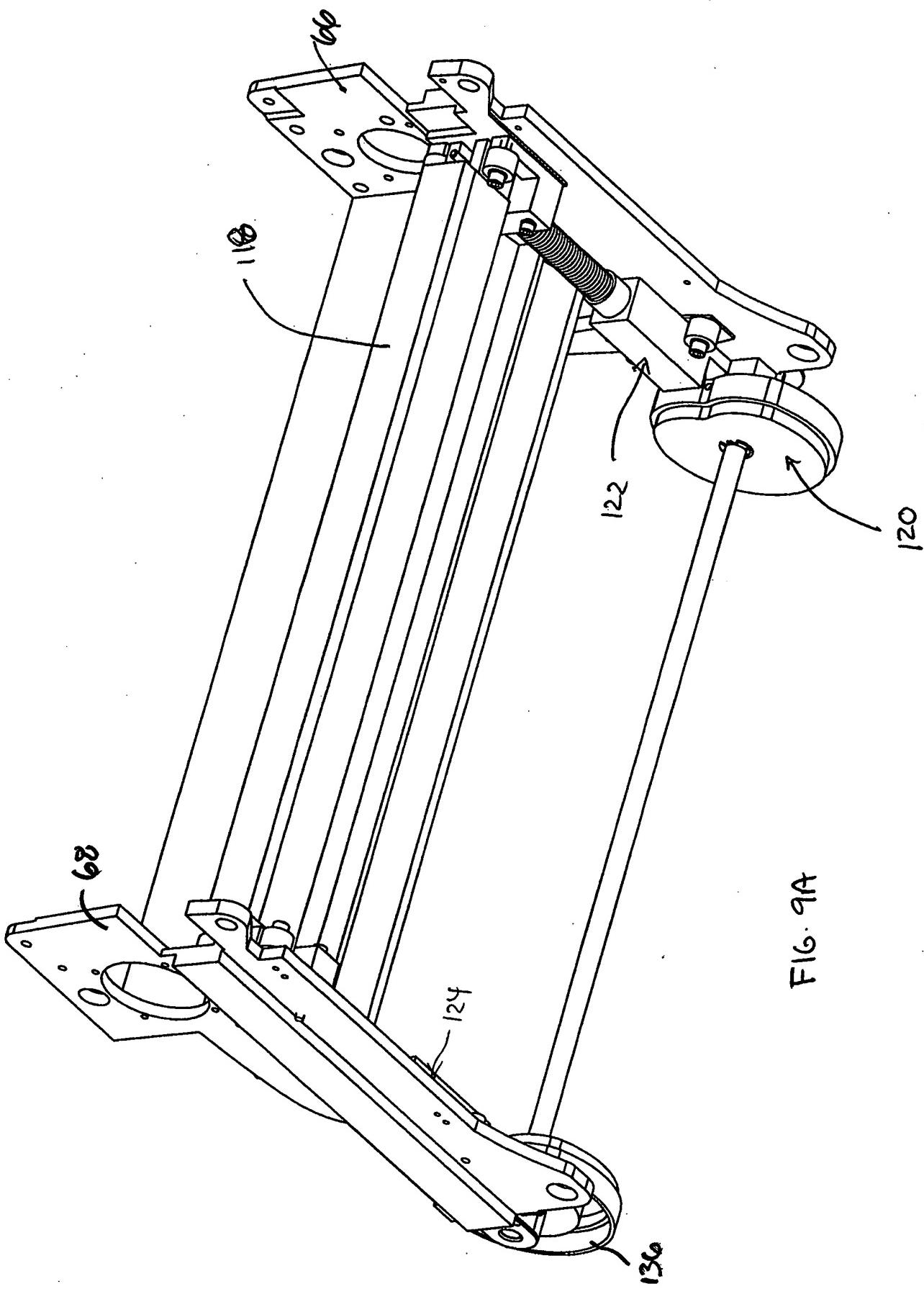
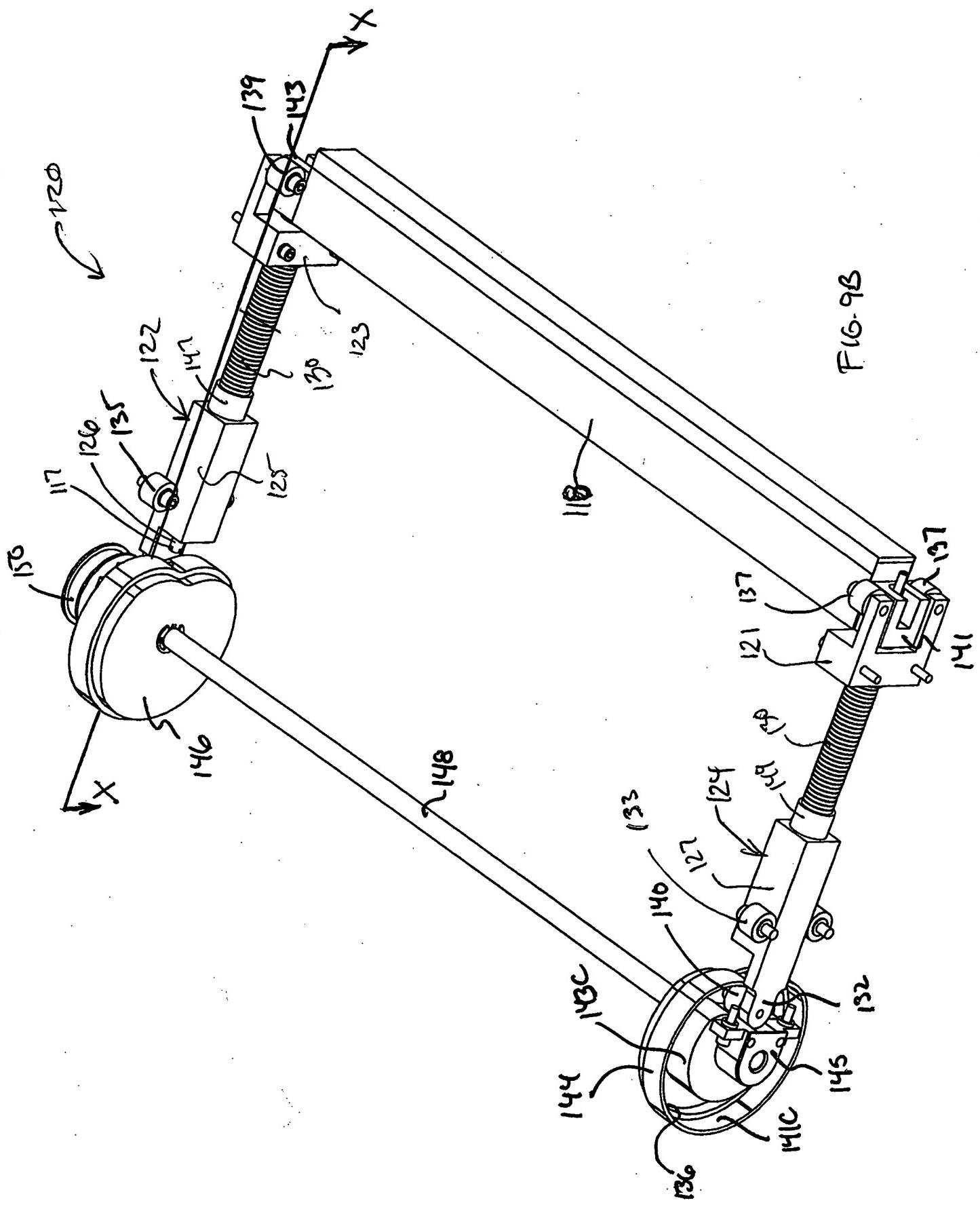


FIG. 9A

FIG. 9B



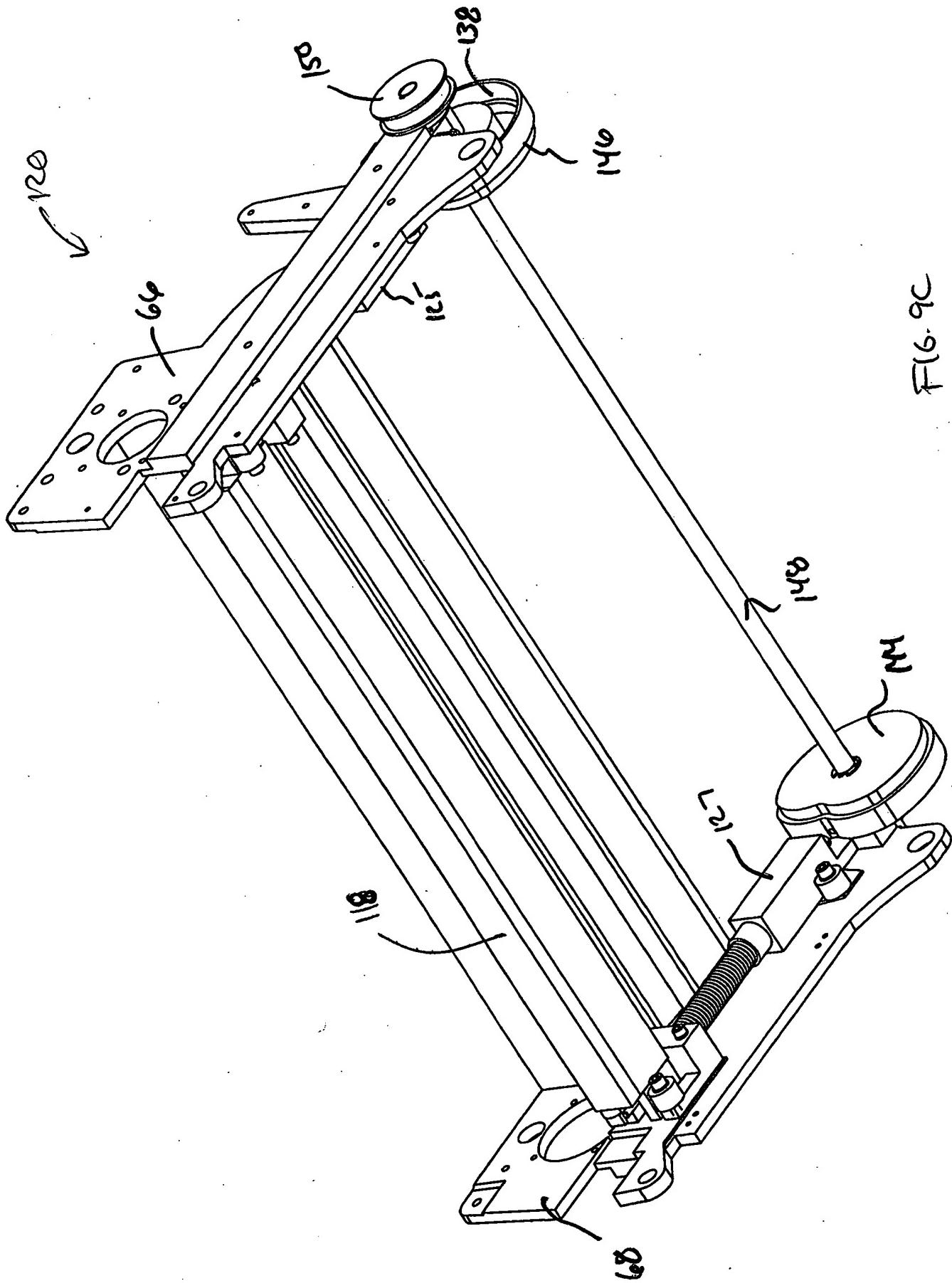


FIG. 9D

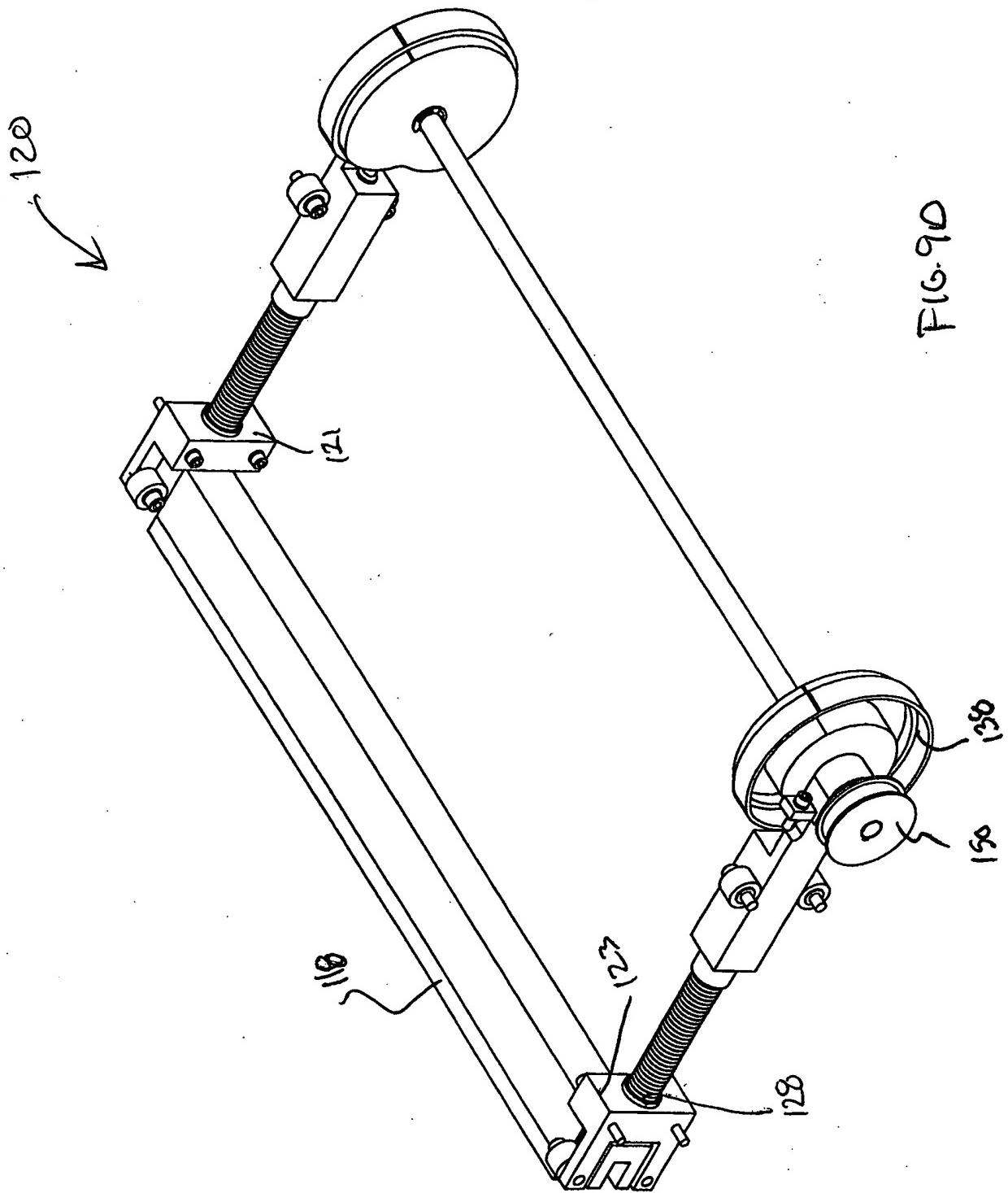


Fig. 9E

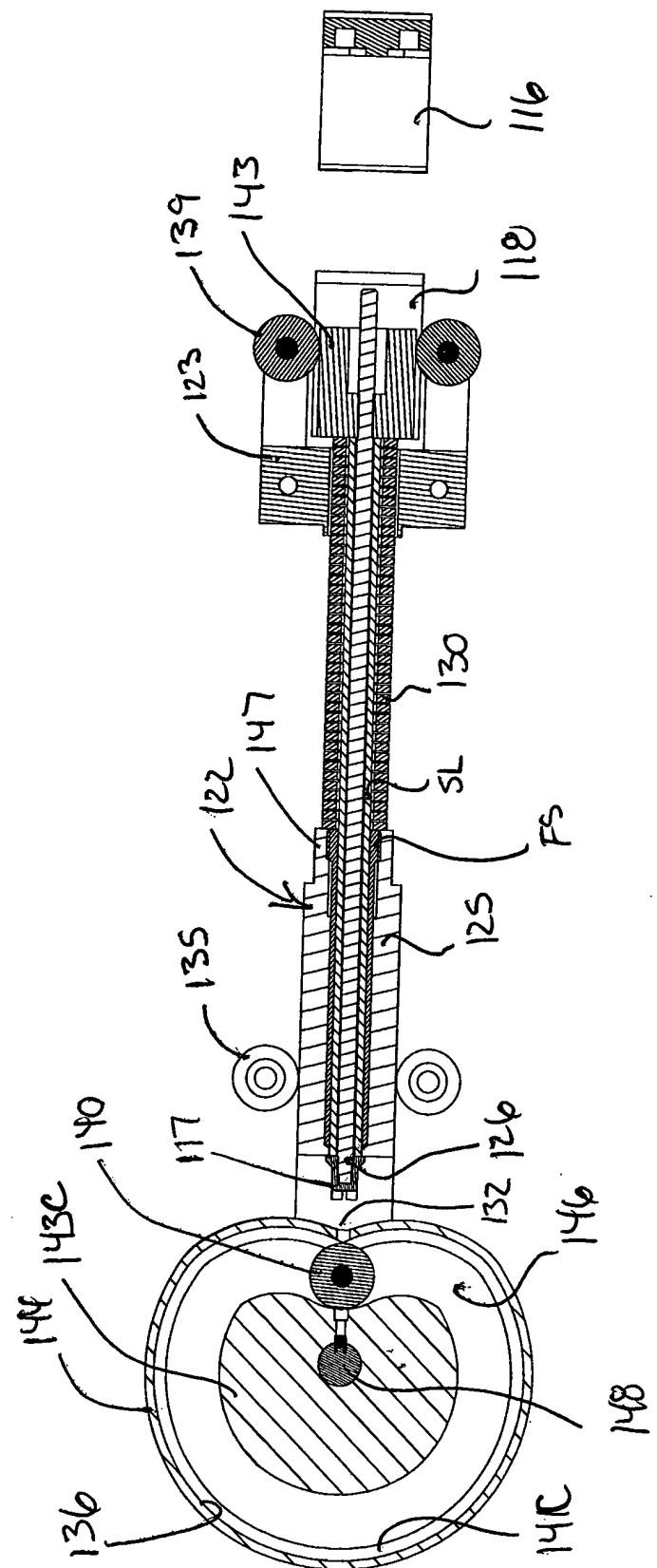
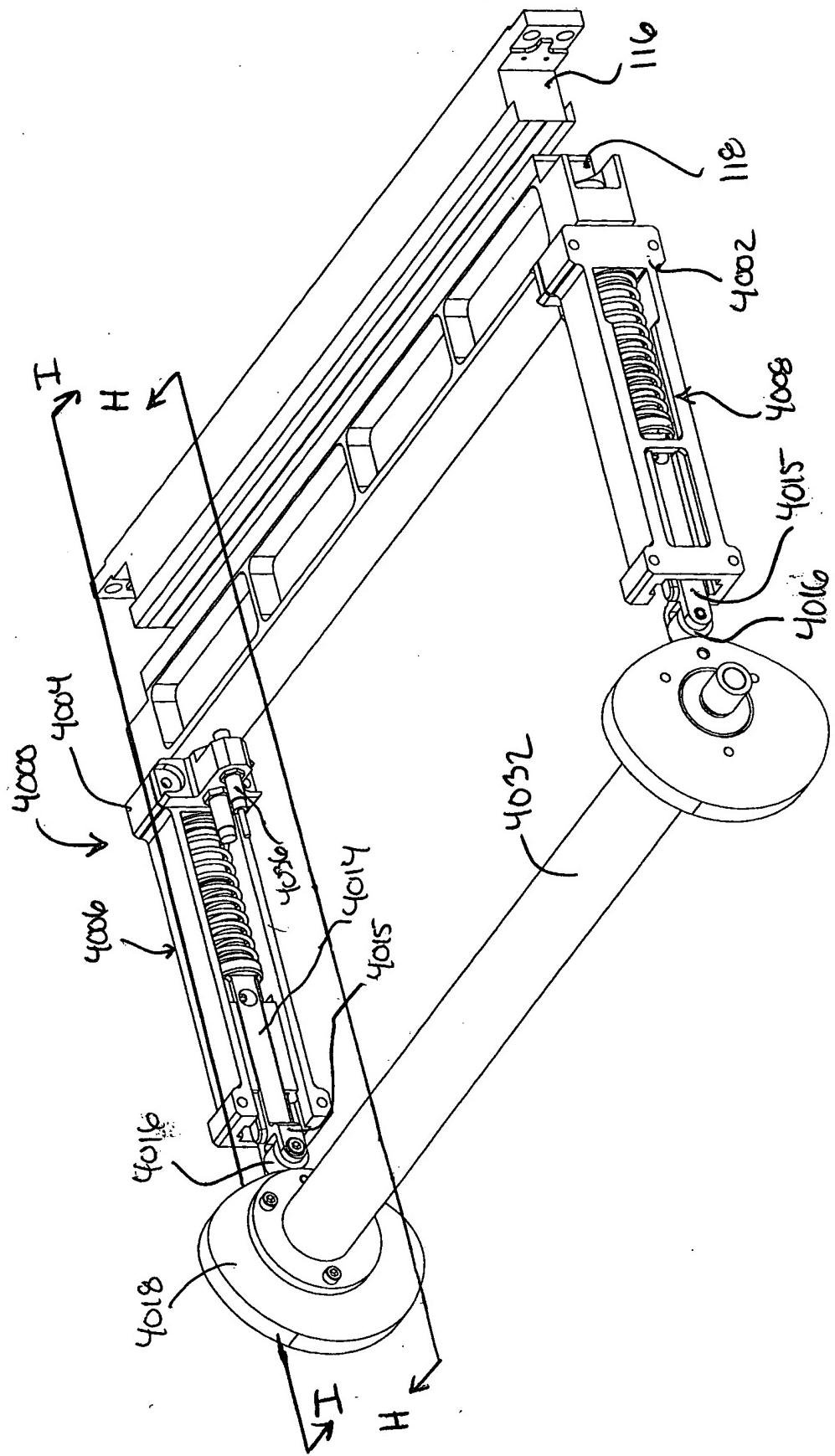


FIG. 9F



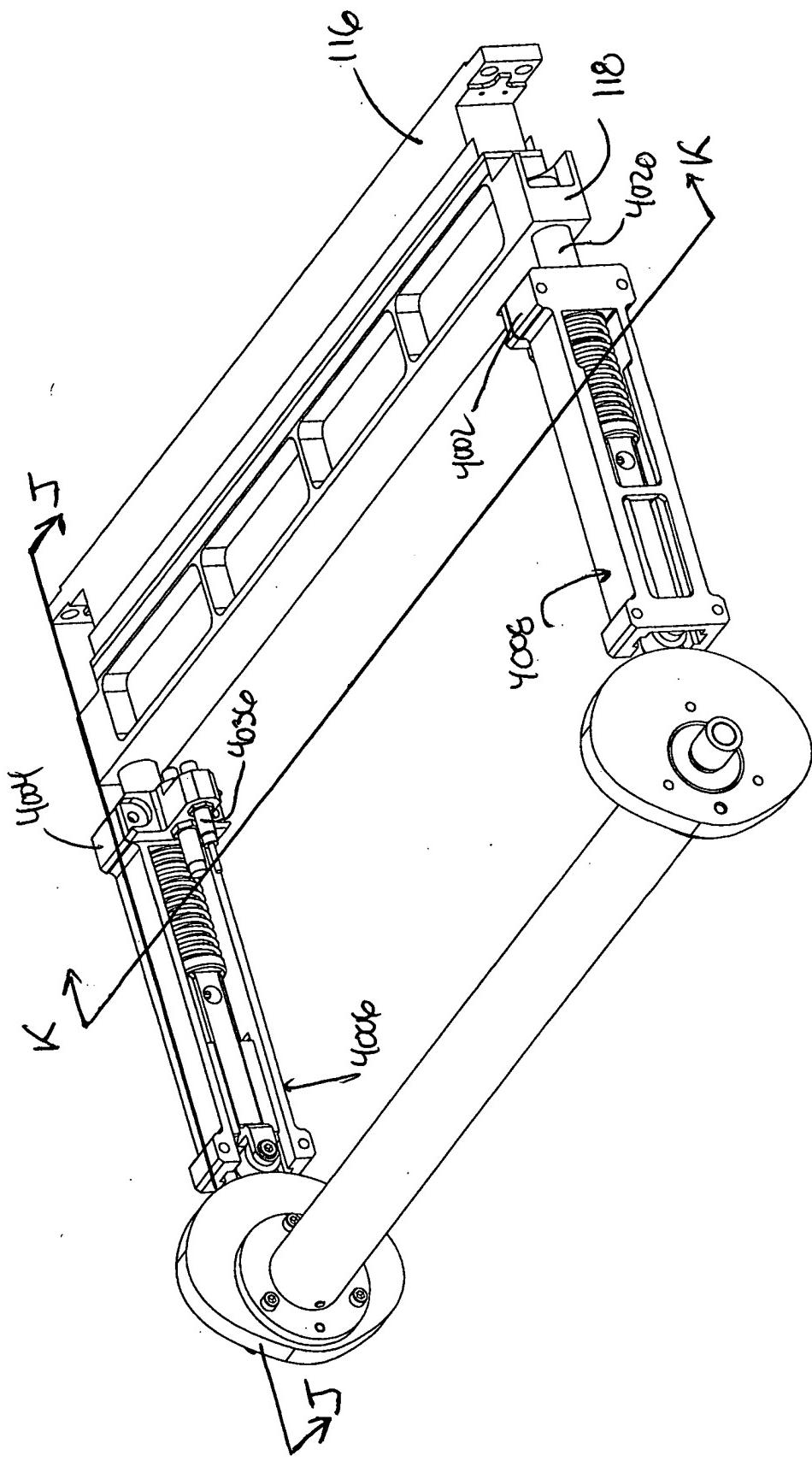


FIG. 96

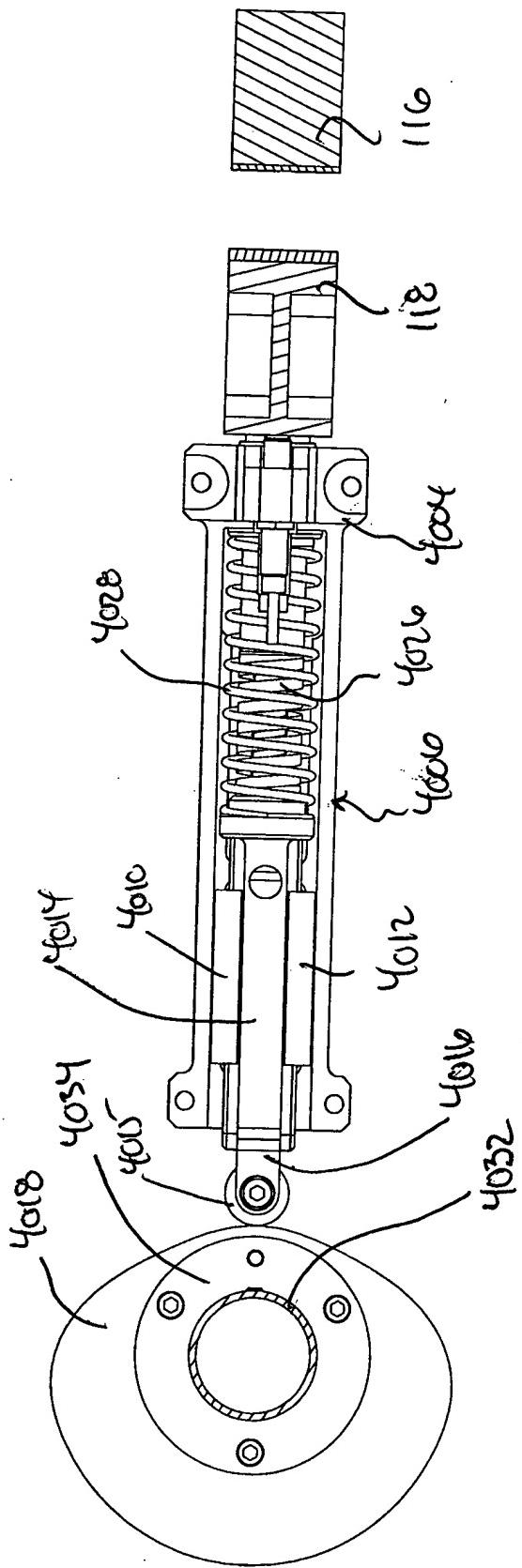


FIG. 9 H

FIG. 9T

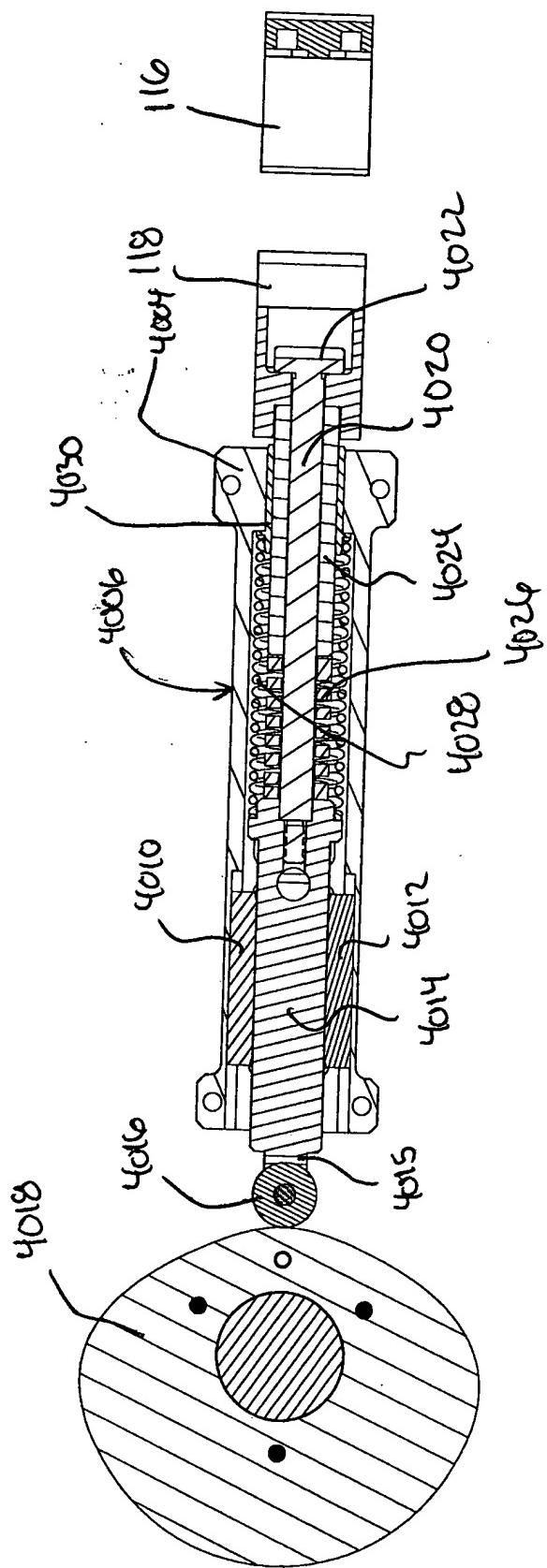
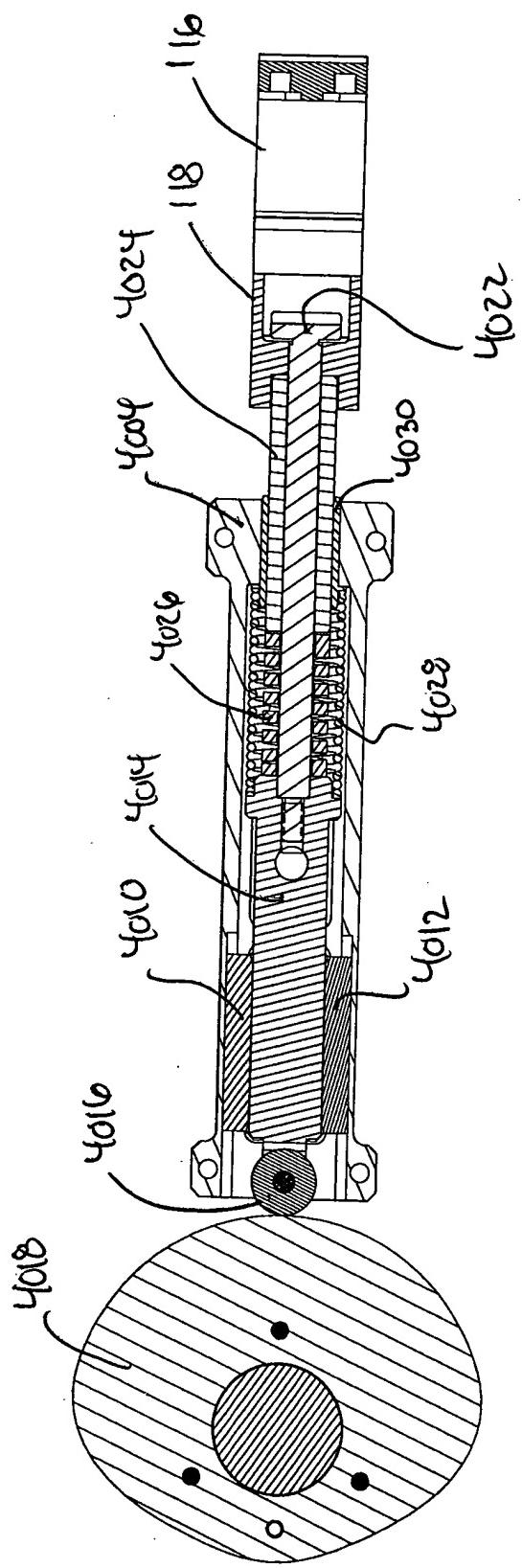


FIG. 9J



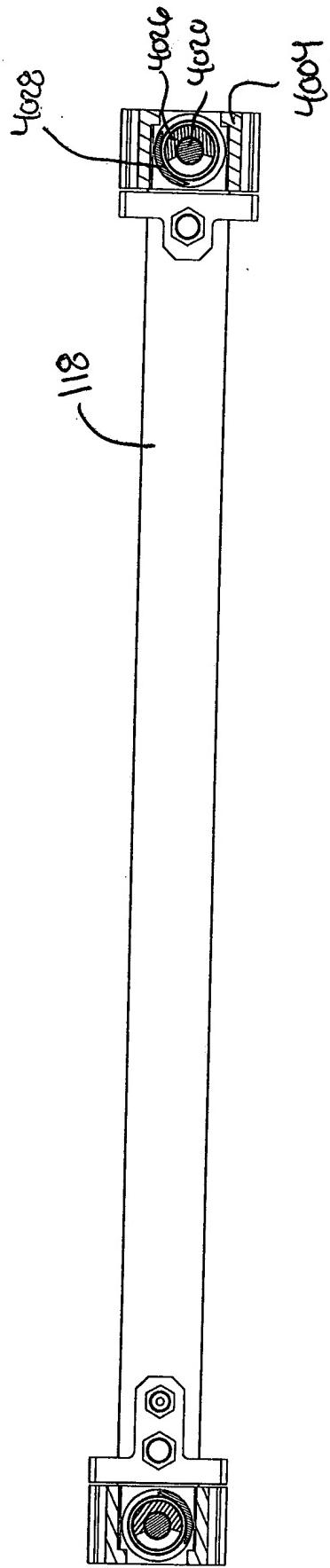


FIG. 9K

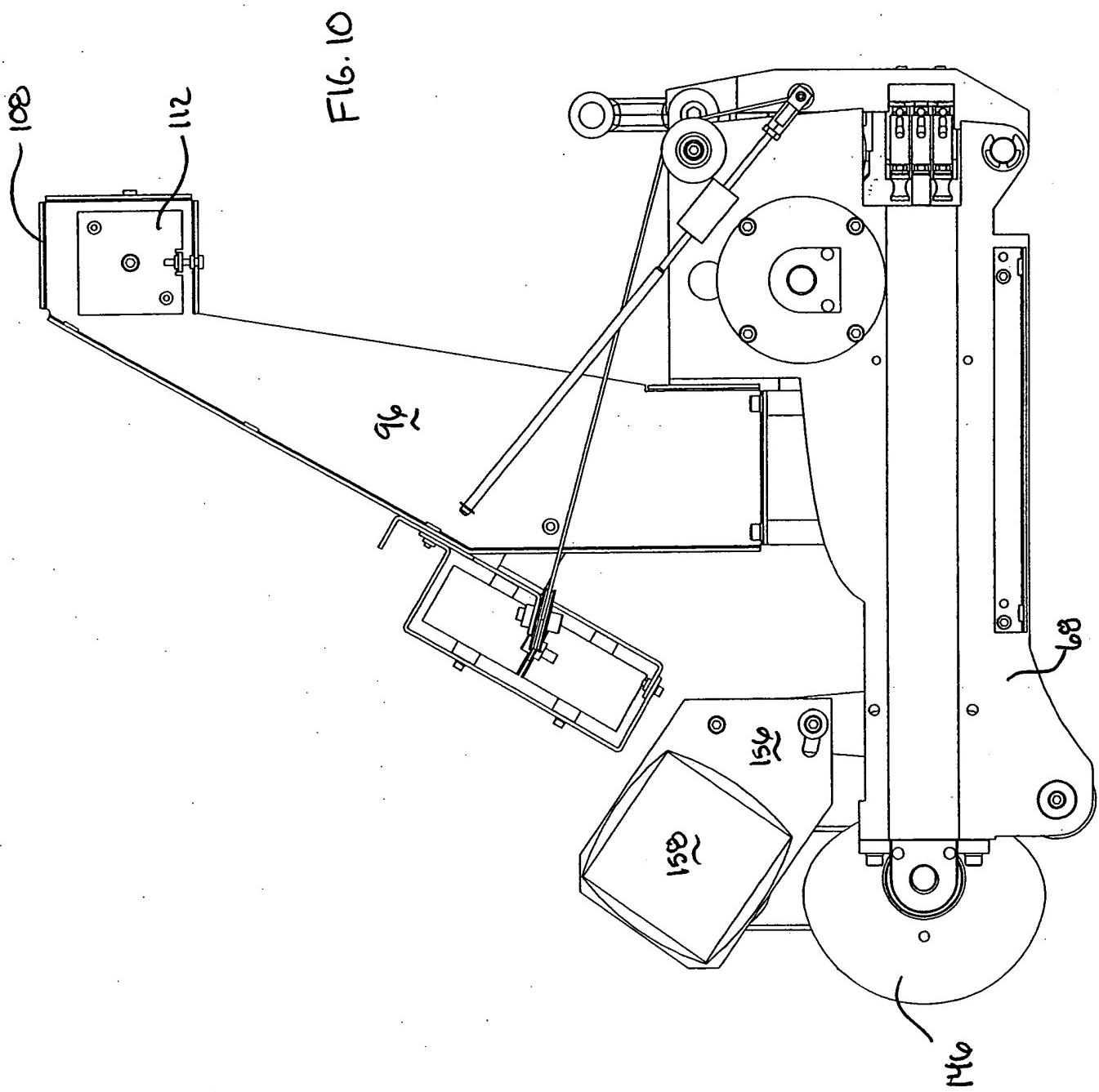
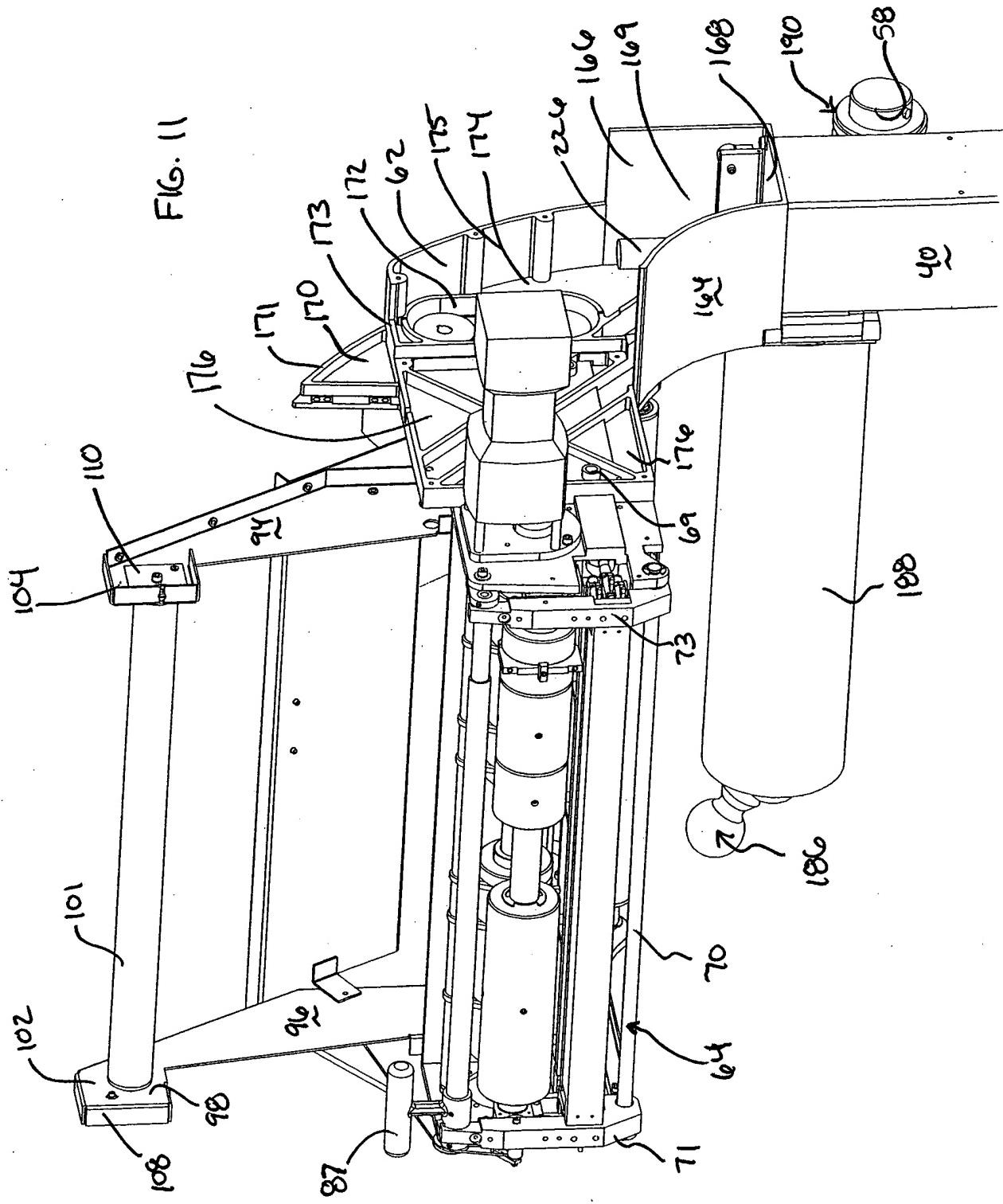
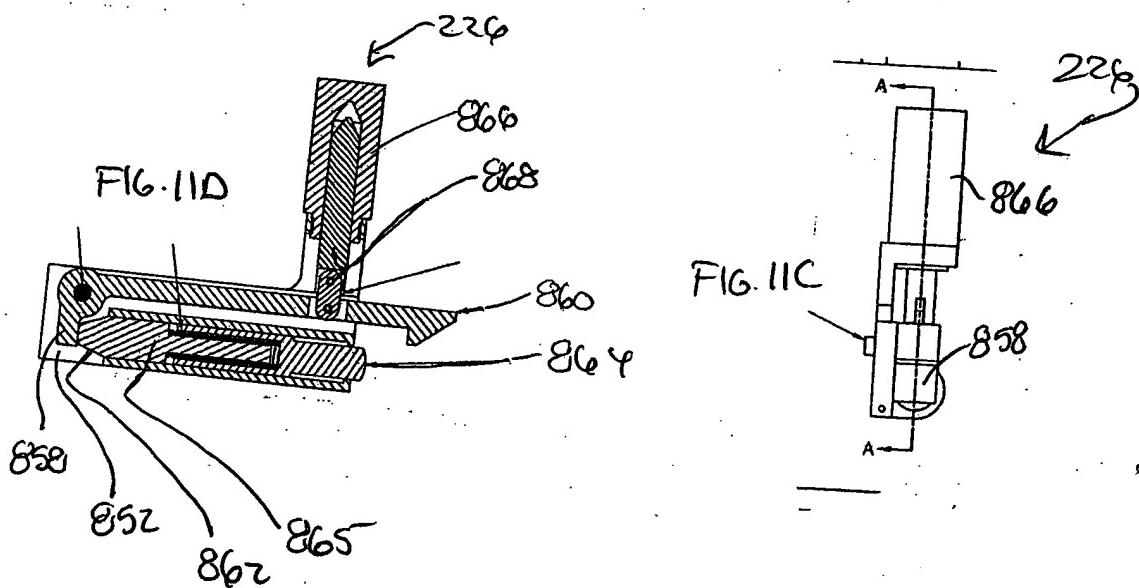
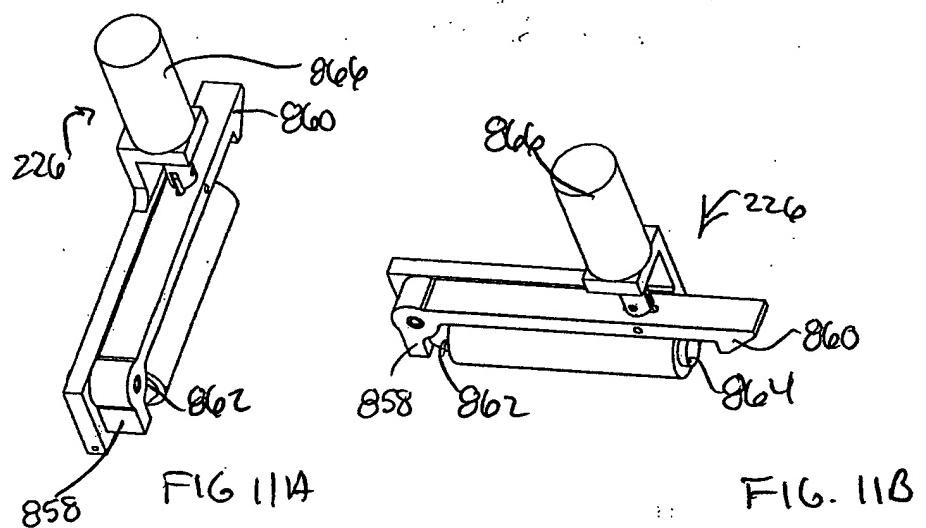


Fig. 1





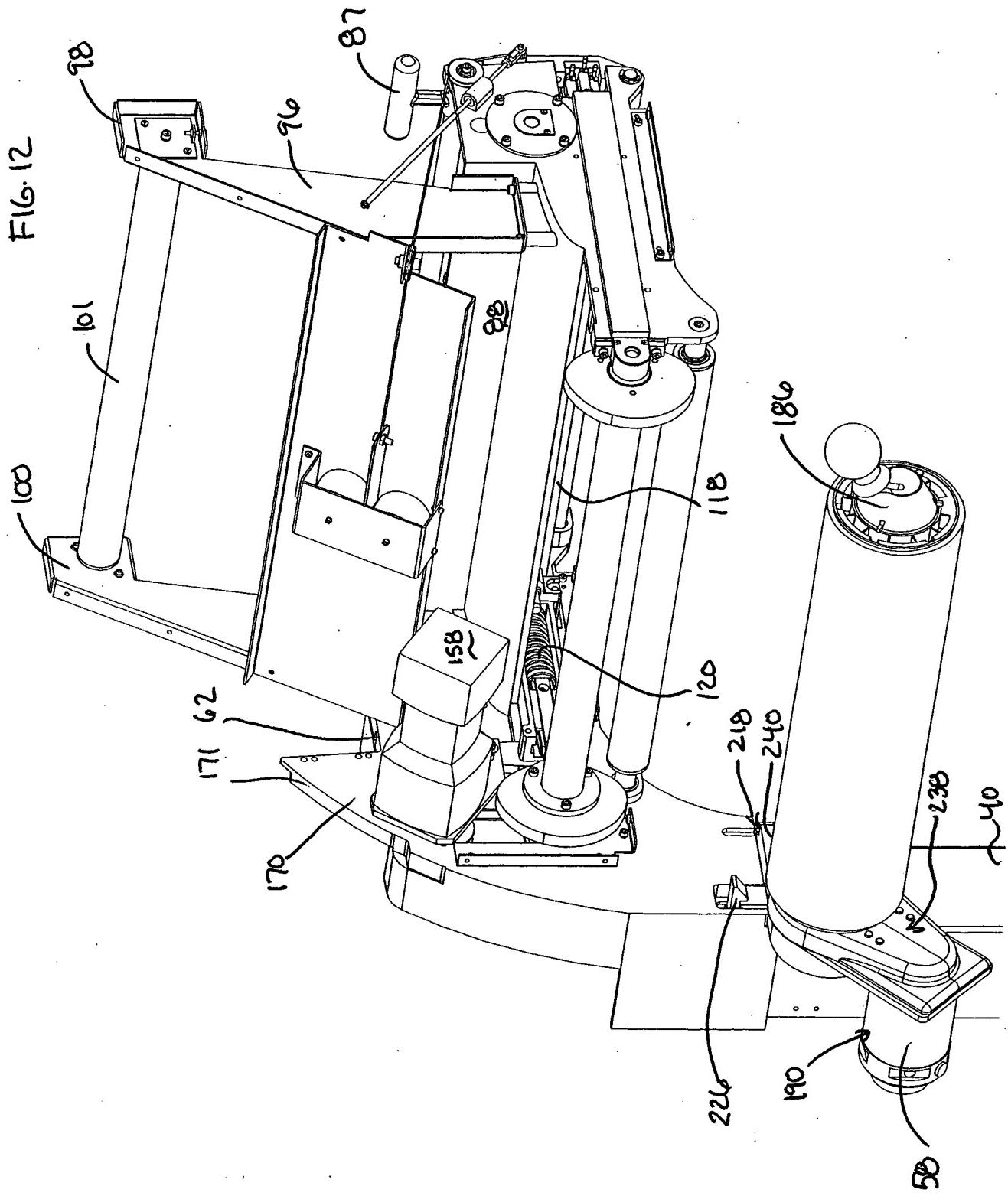


FIG. 13

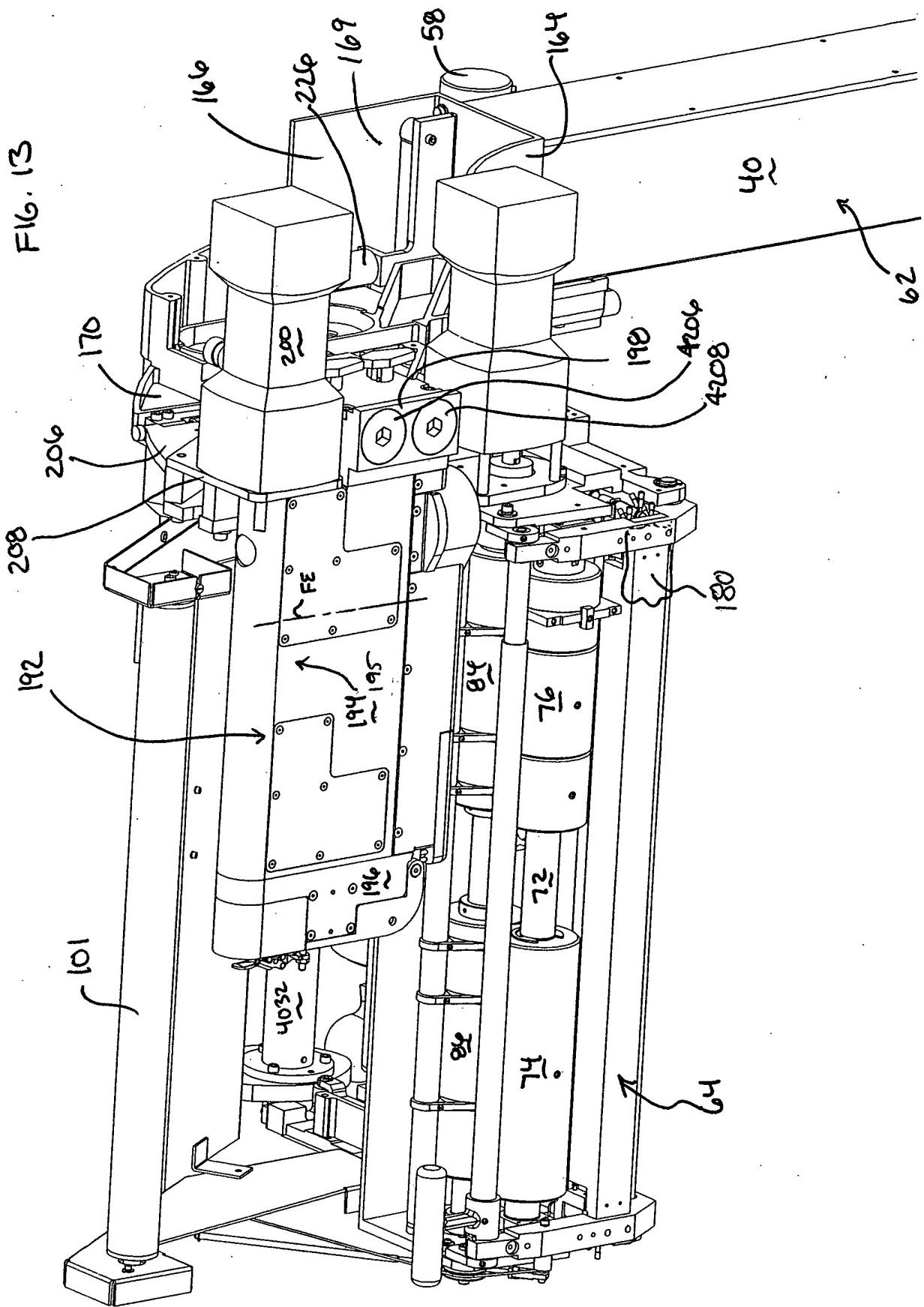


FIG. 14A

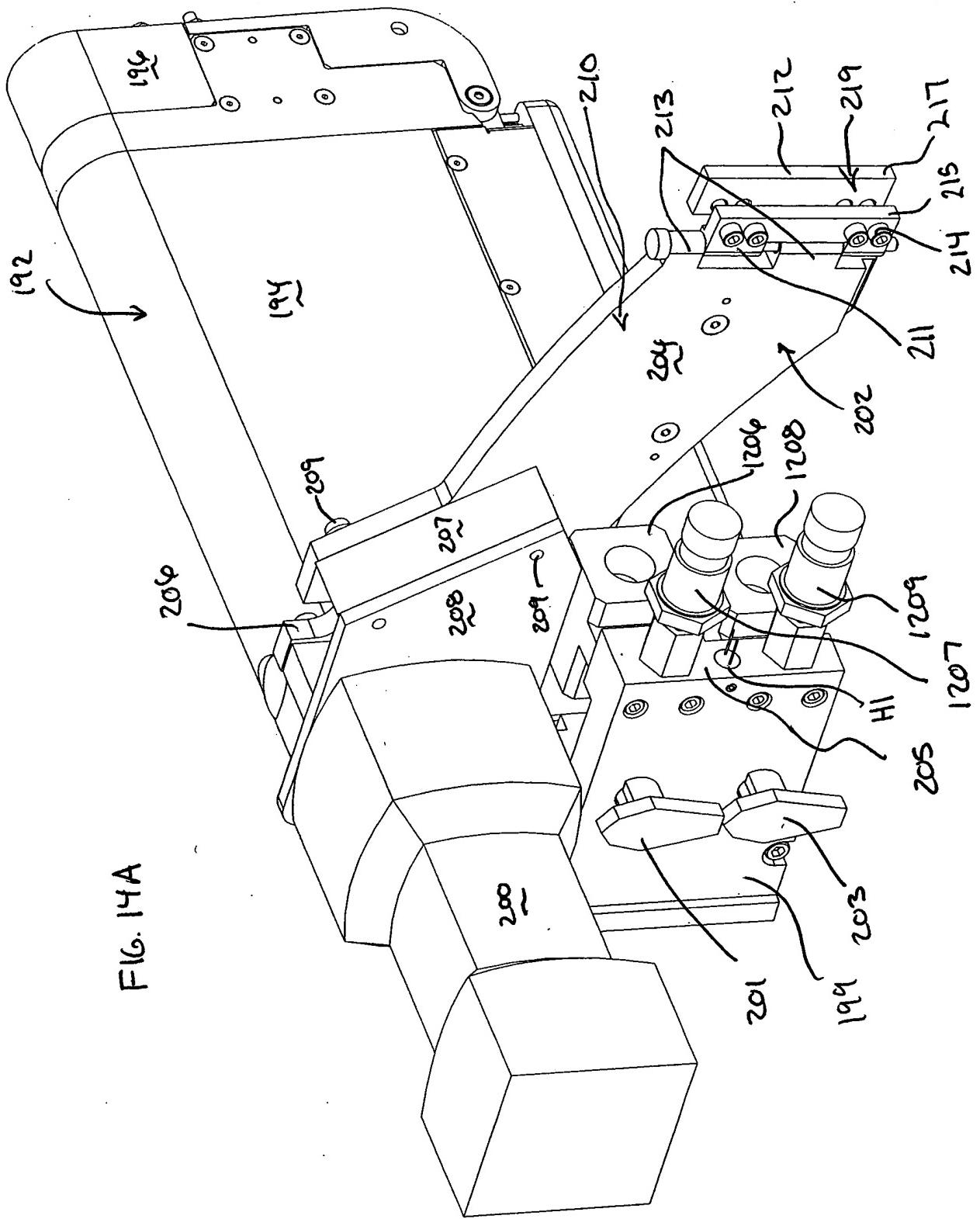


FIG. 146

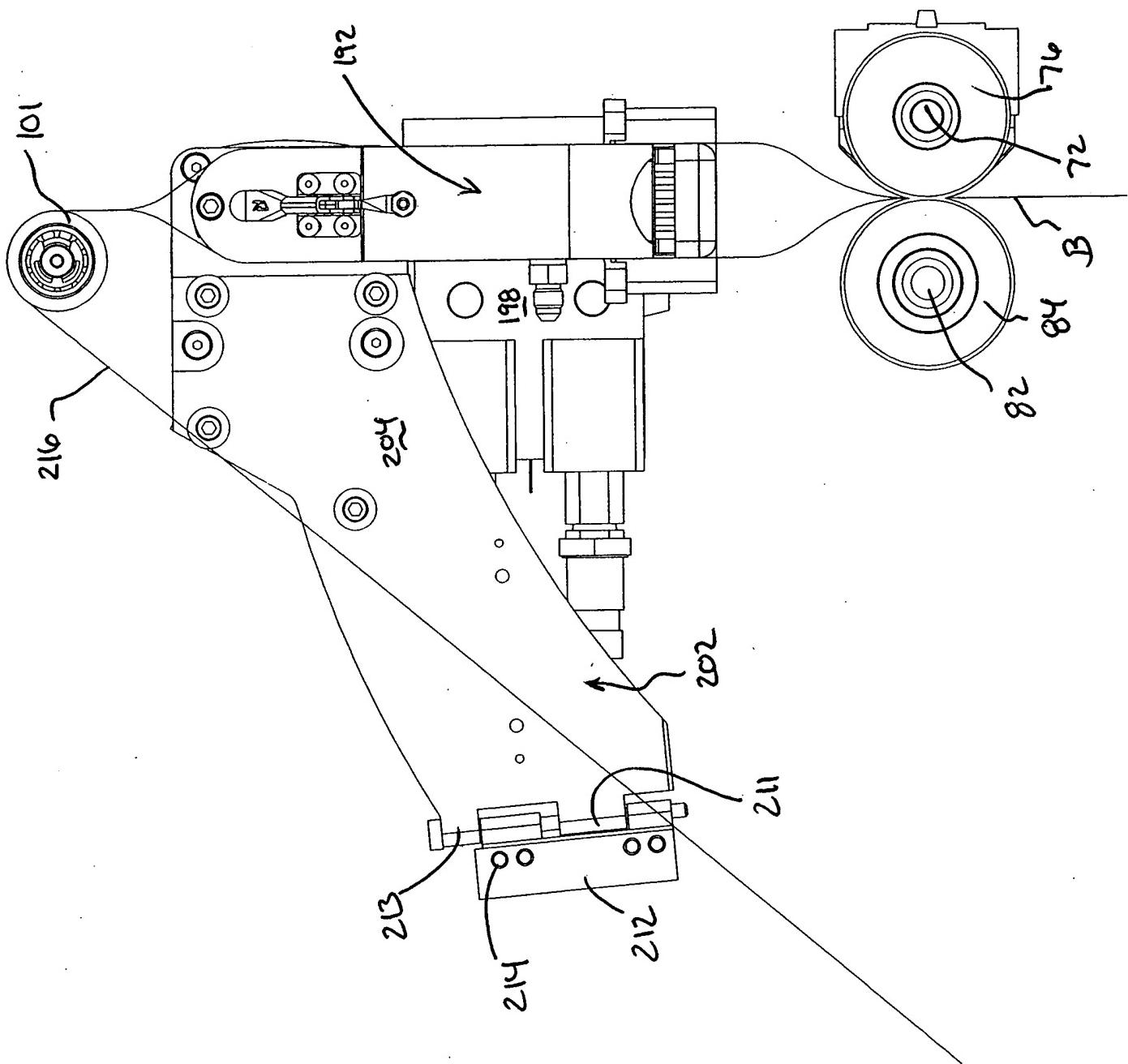


FIG 15A

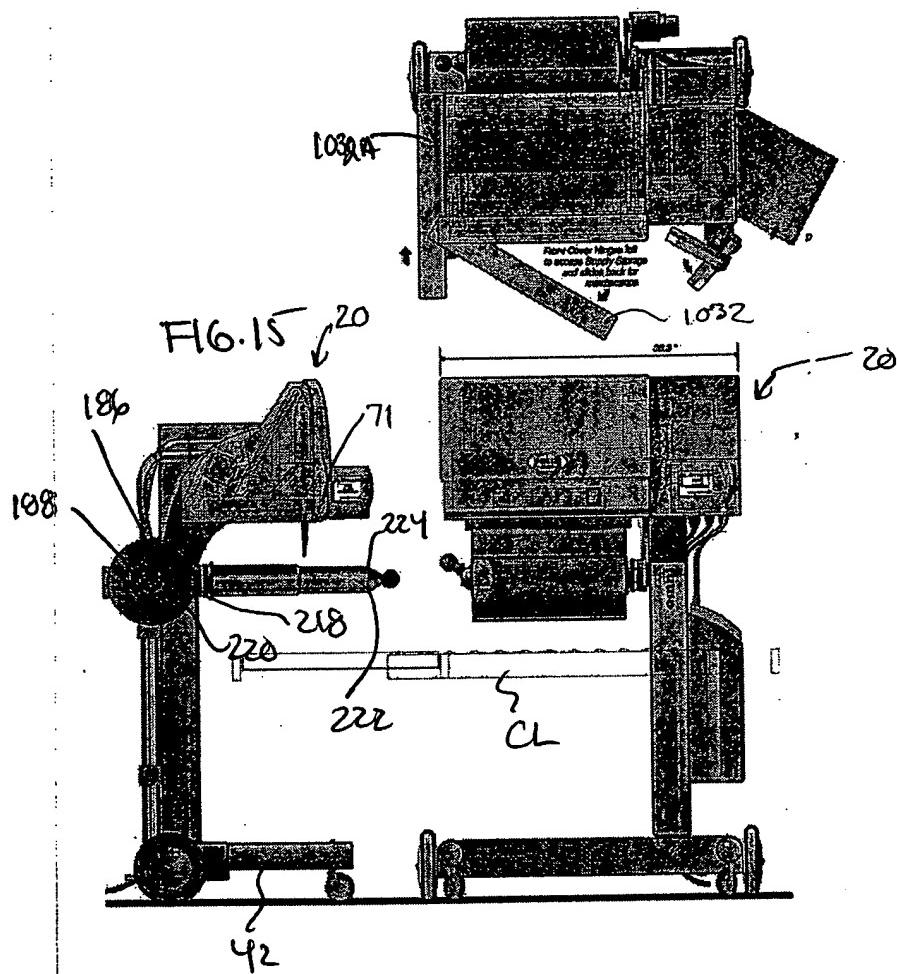
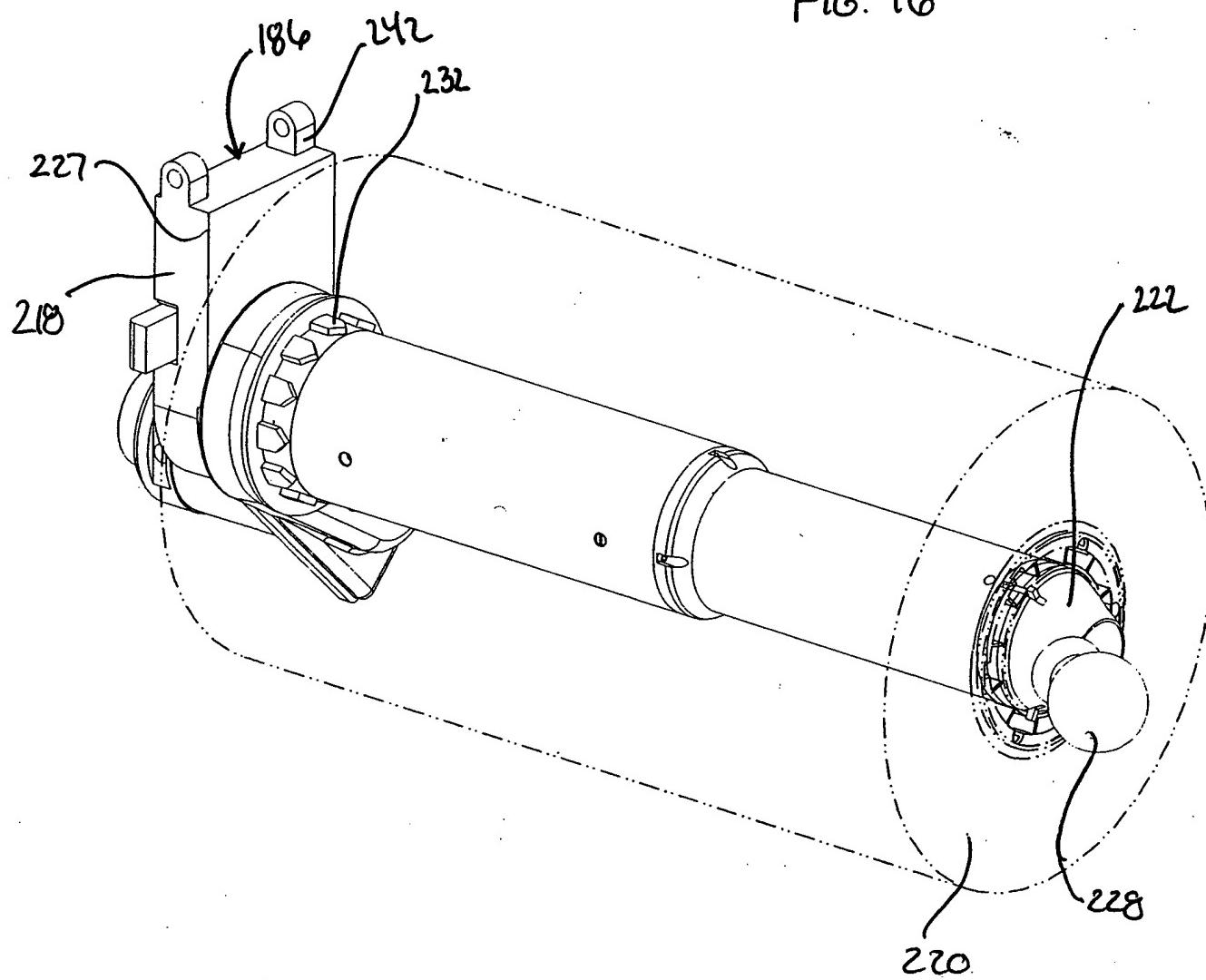
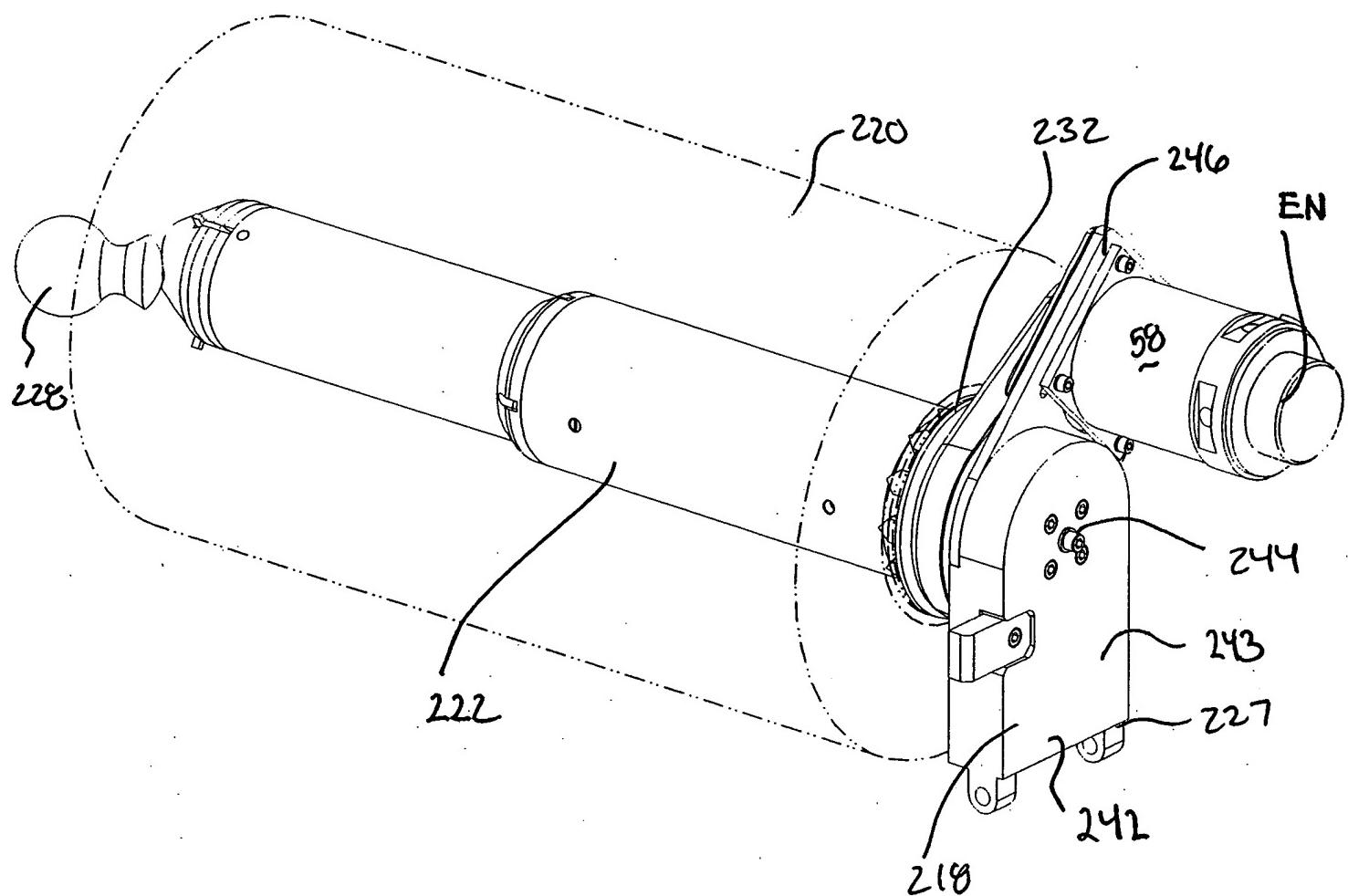


FIG 15B

FIG. 16



F16.17



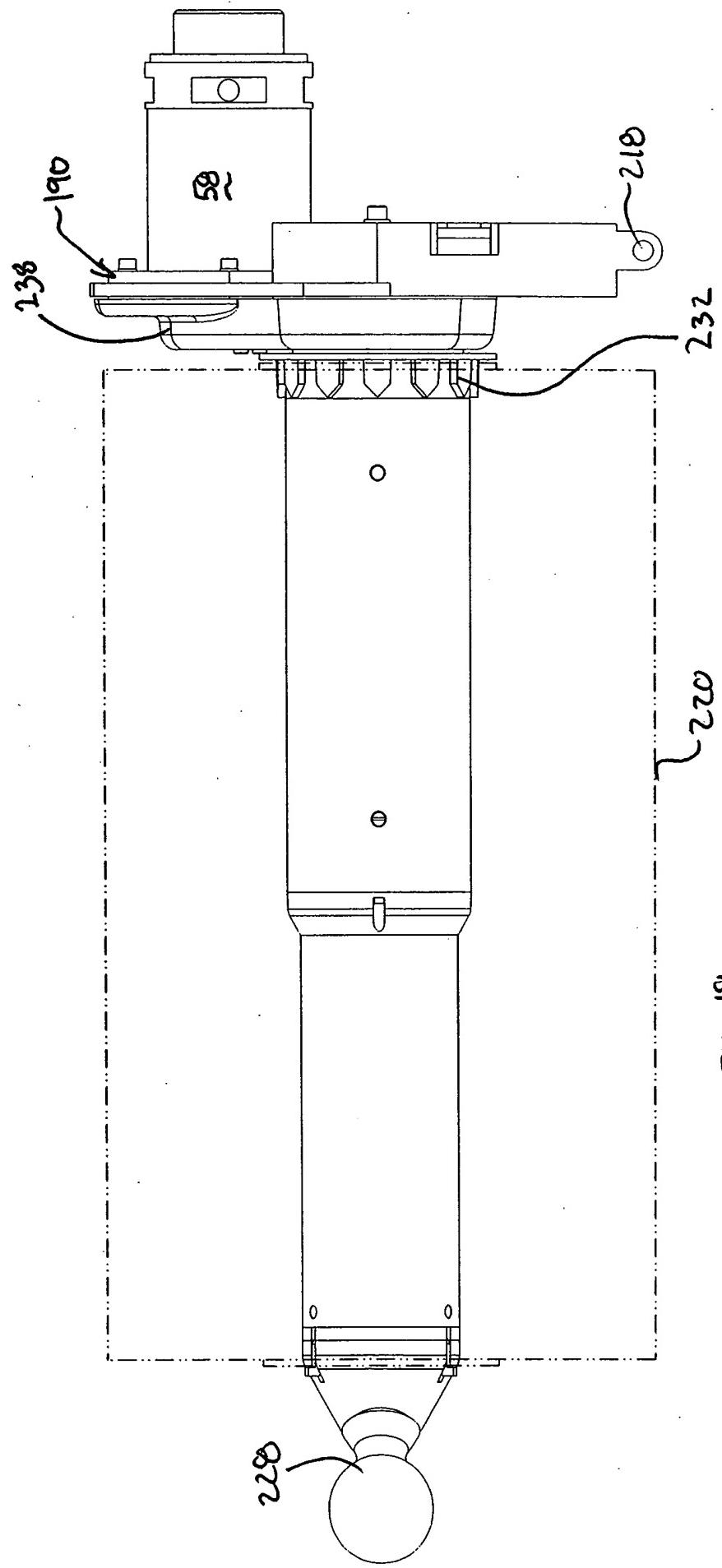
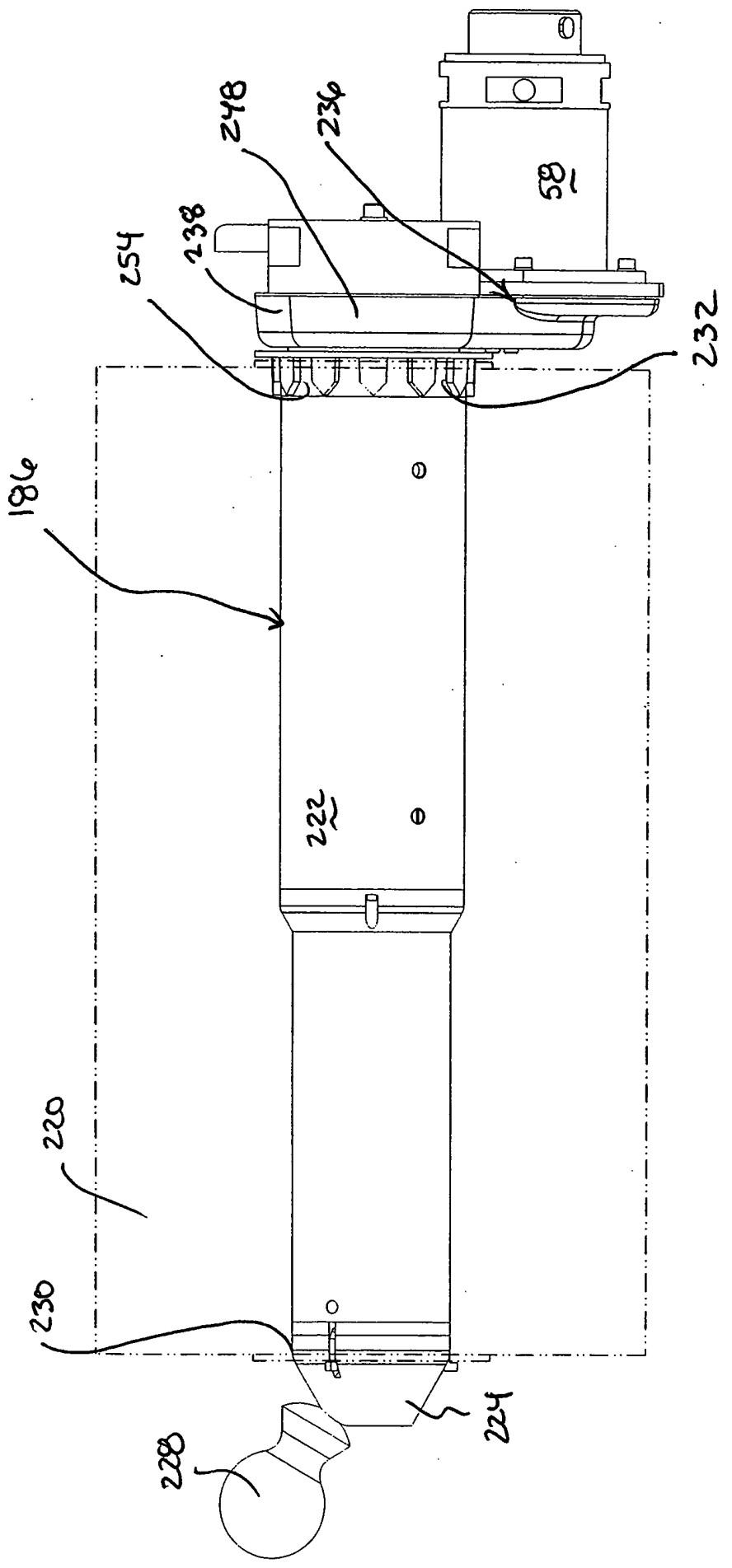


FIG. 18



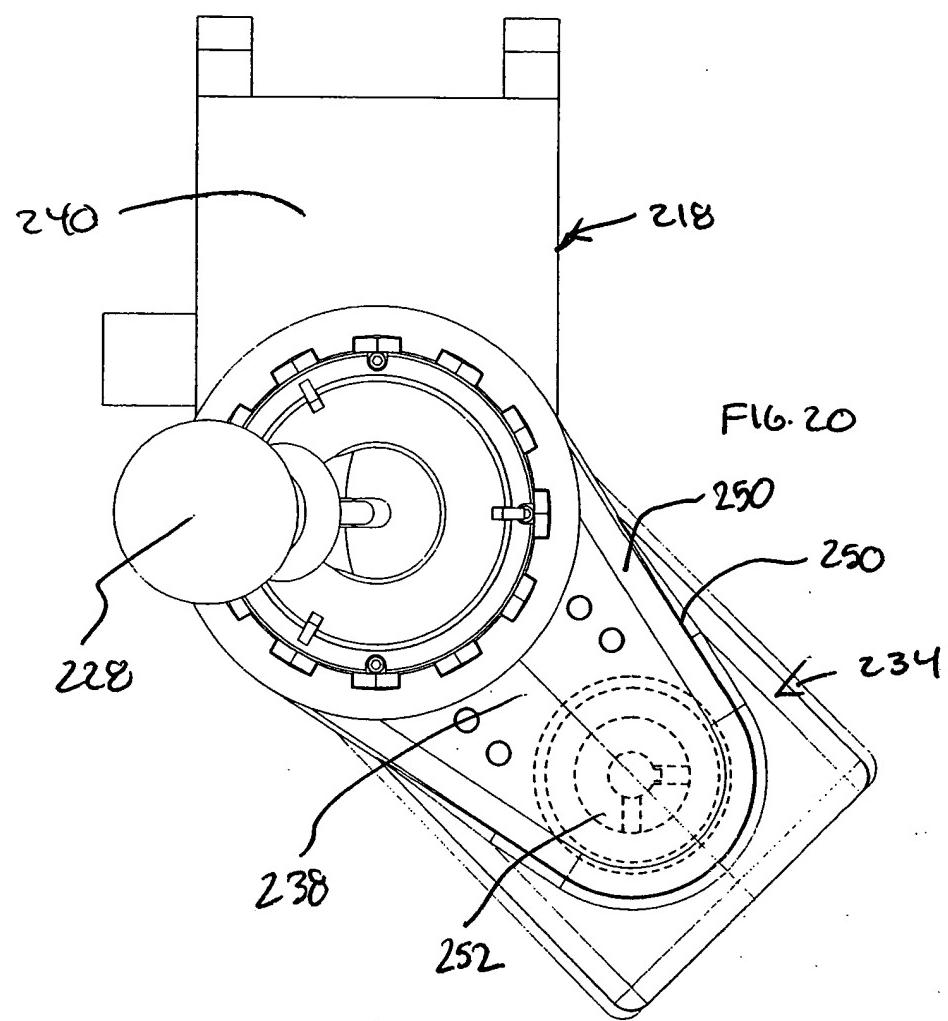
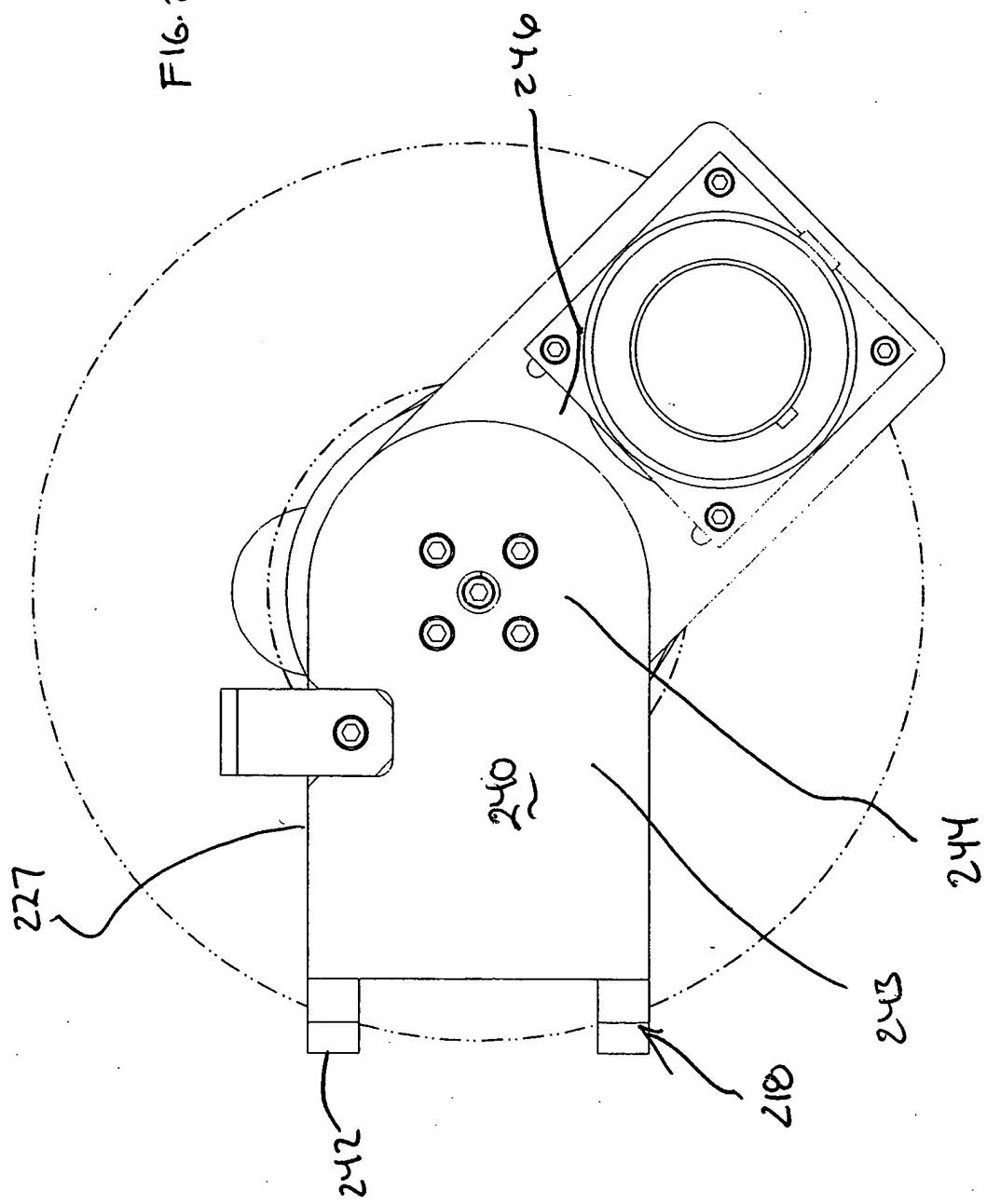


FIG. 21



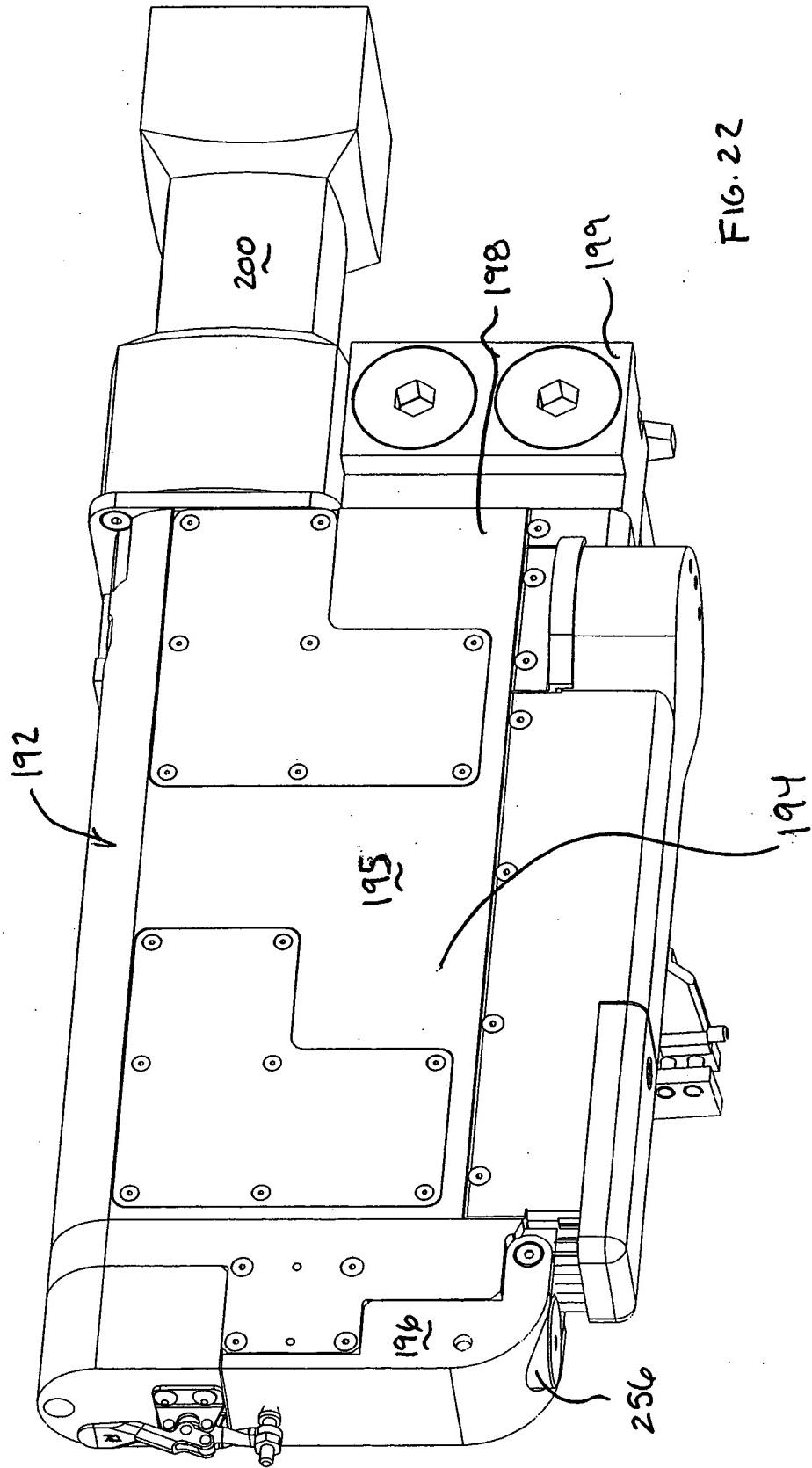
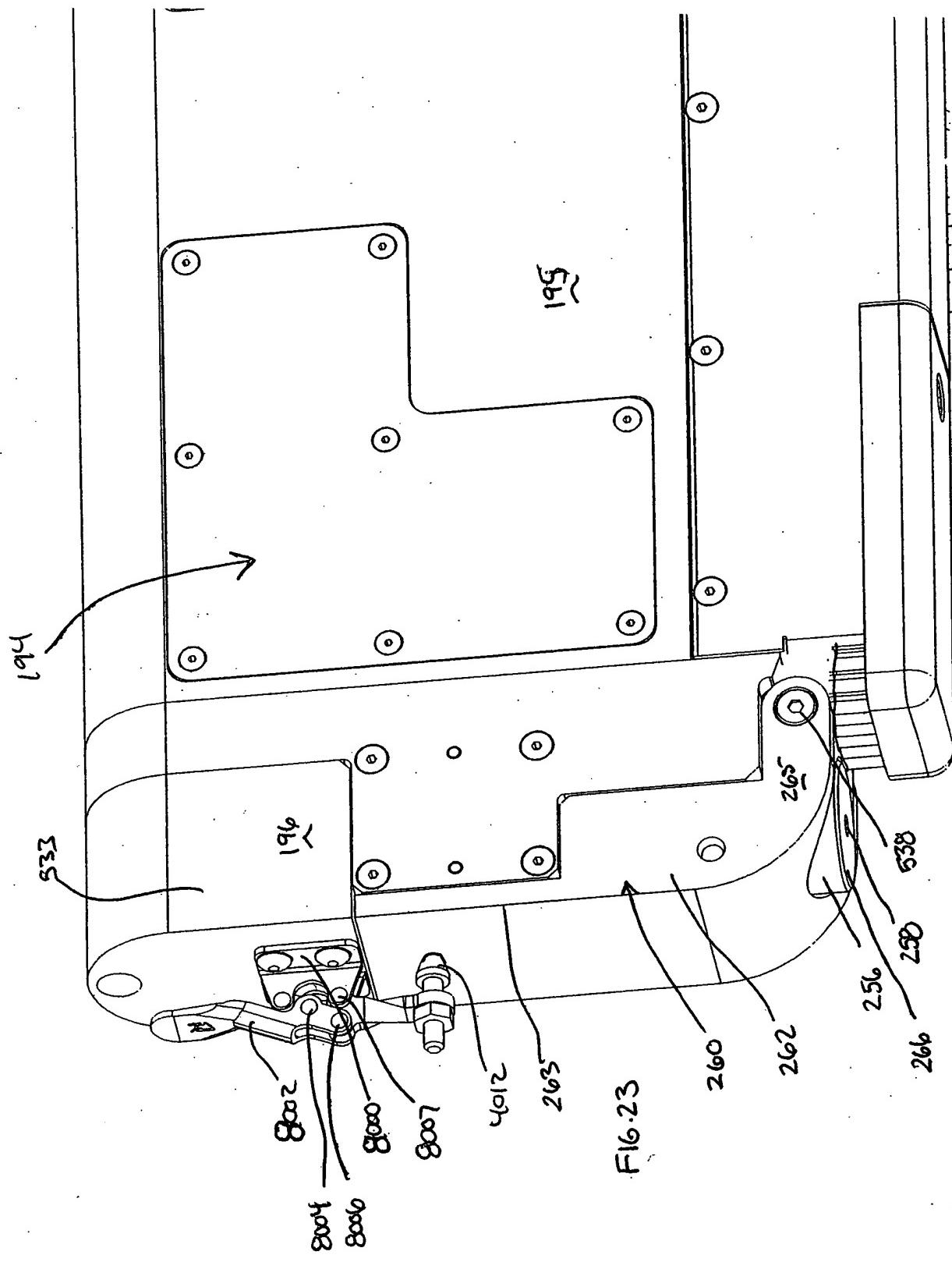


FIG. 22



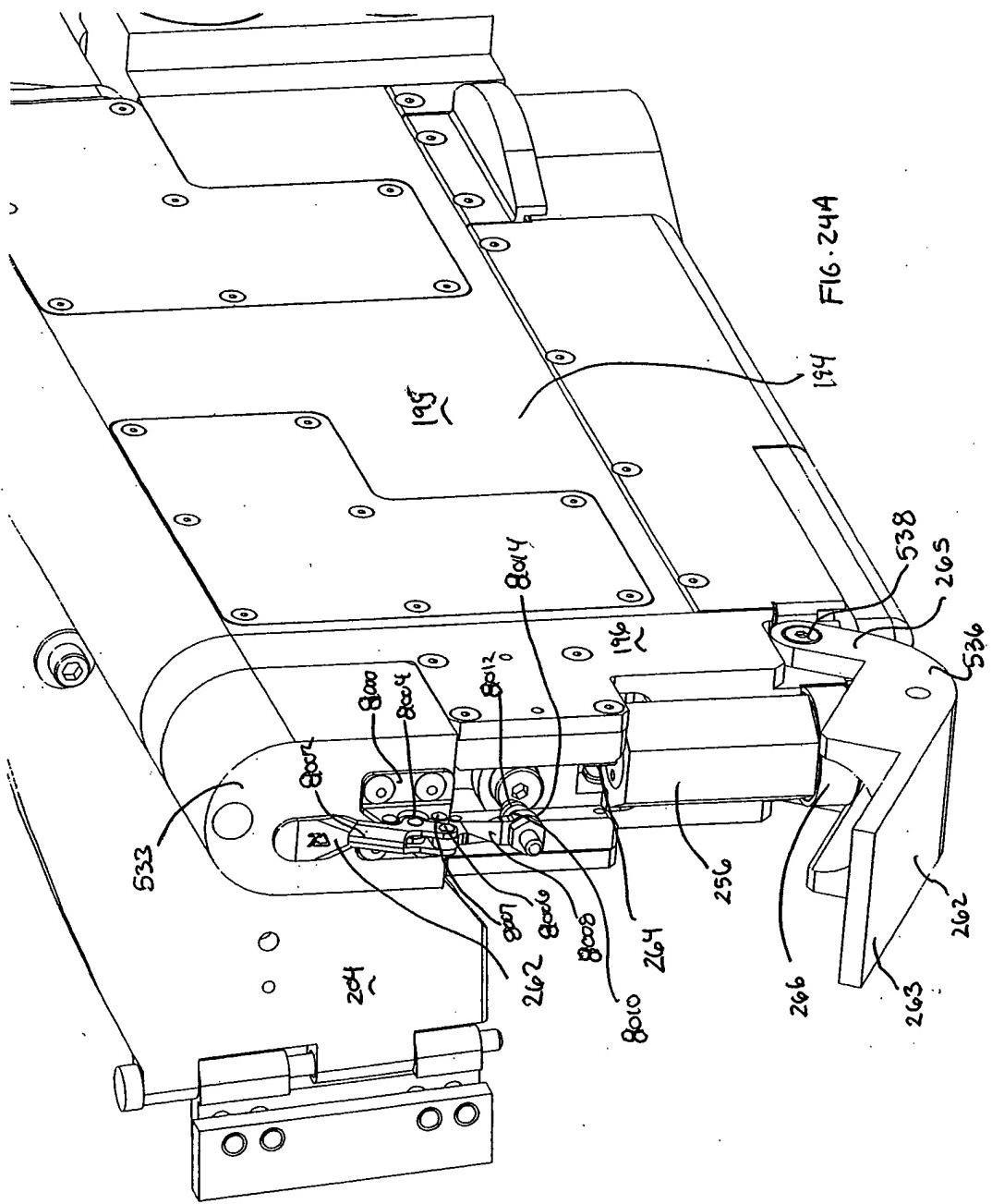
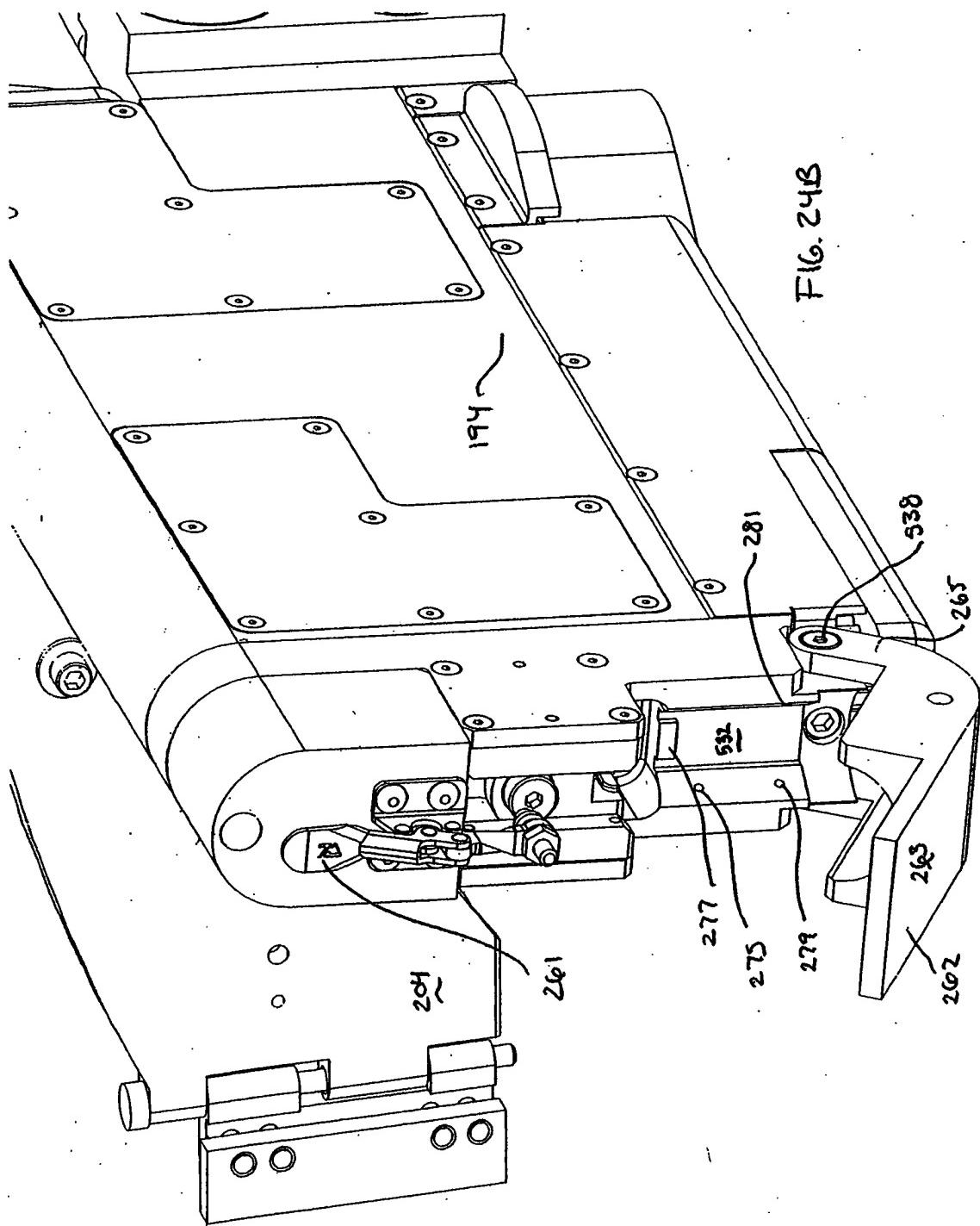
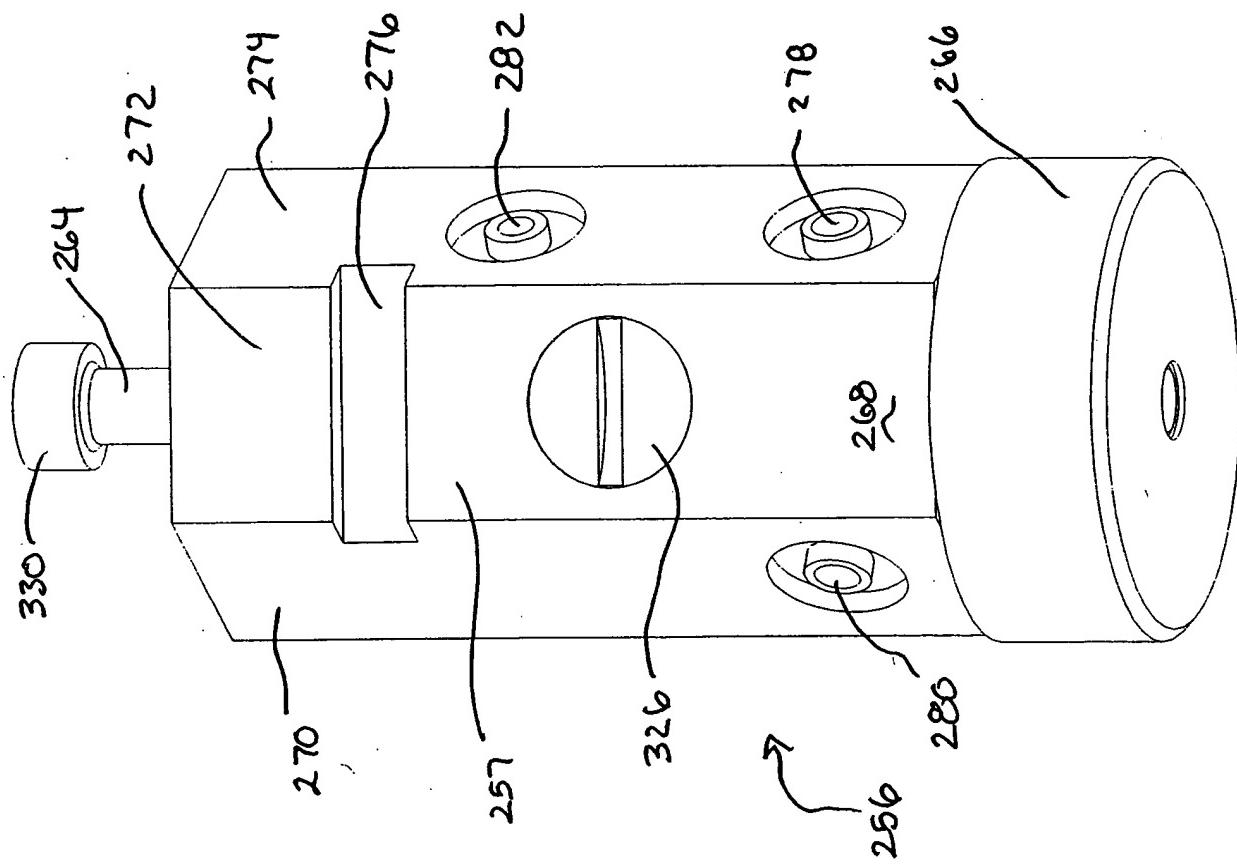
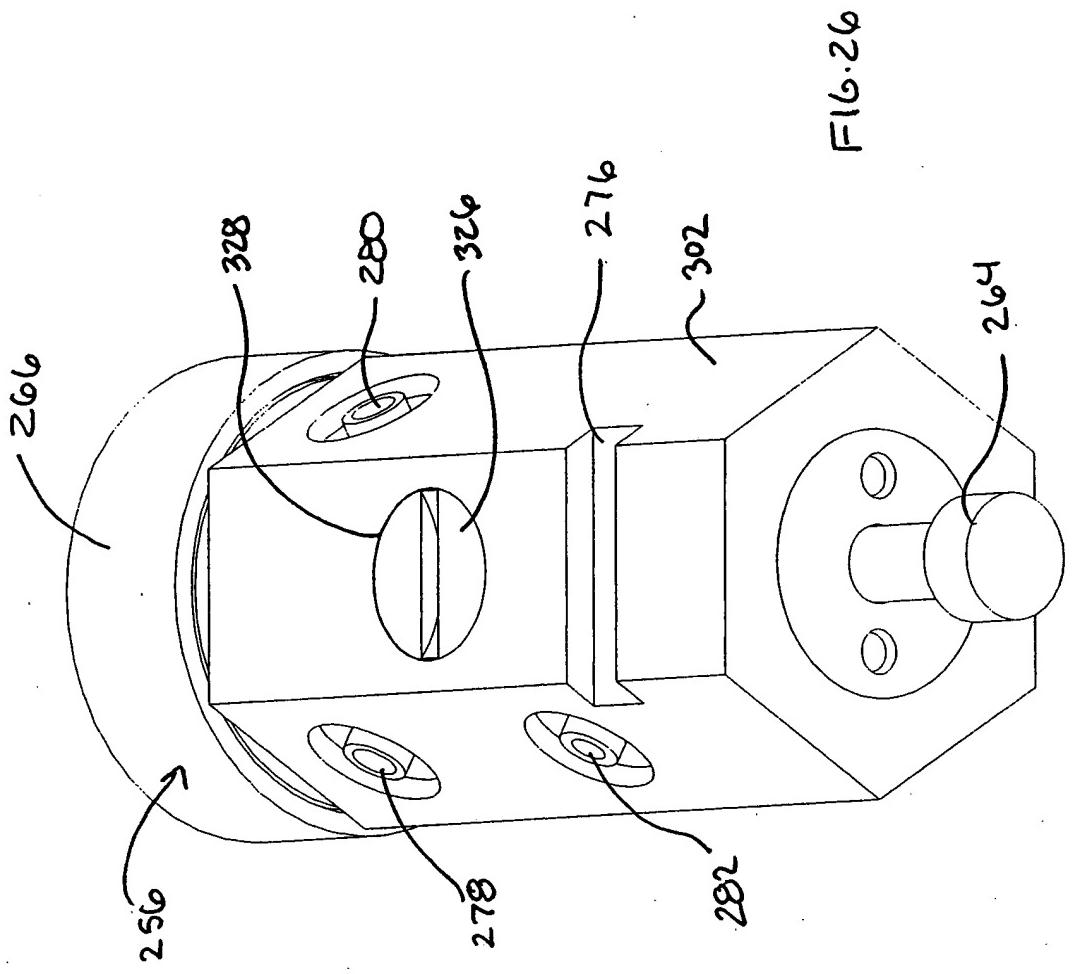
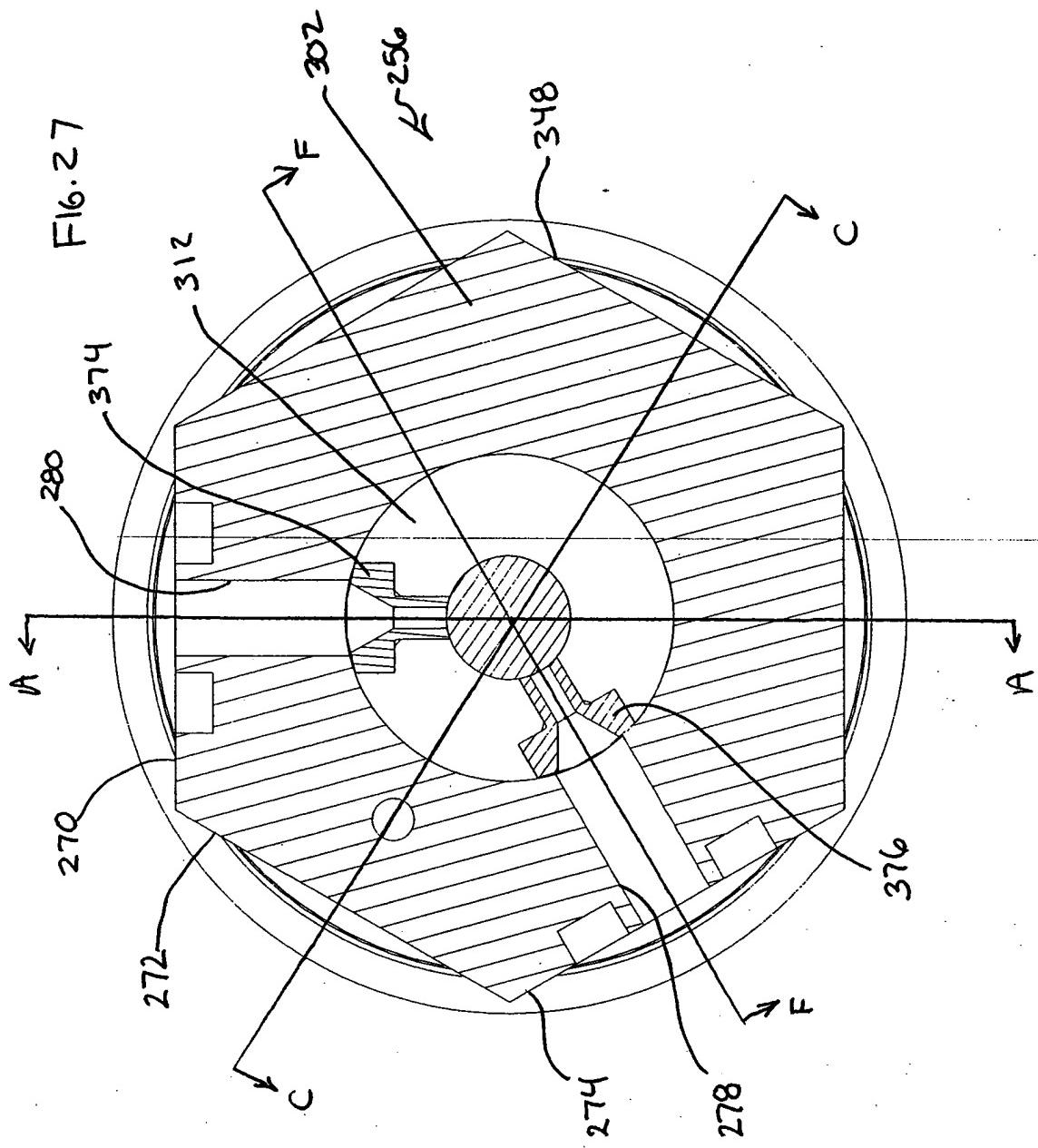


FIG. 24B









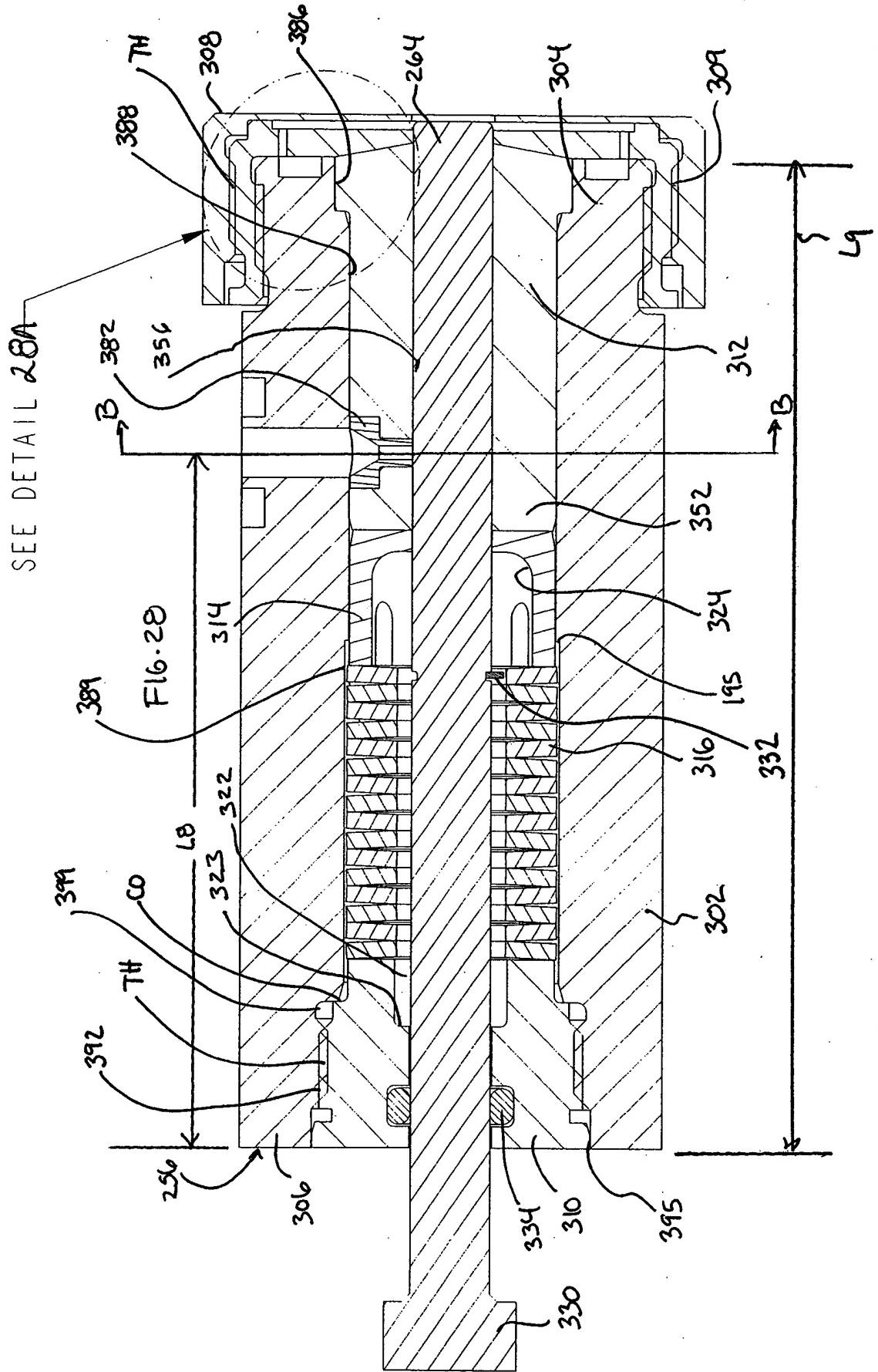


FIG. 28A

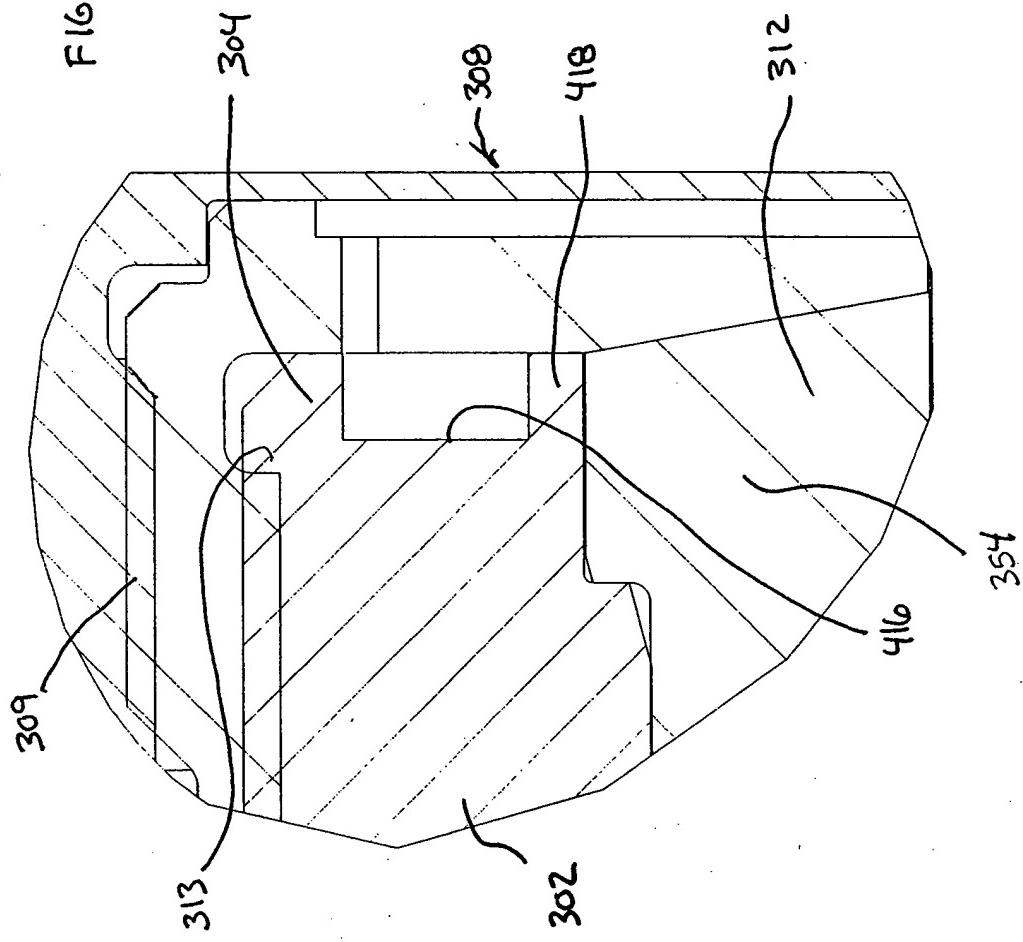
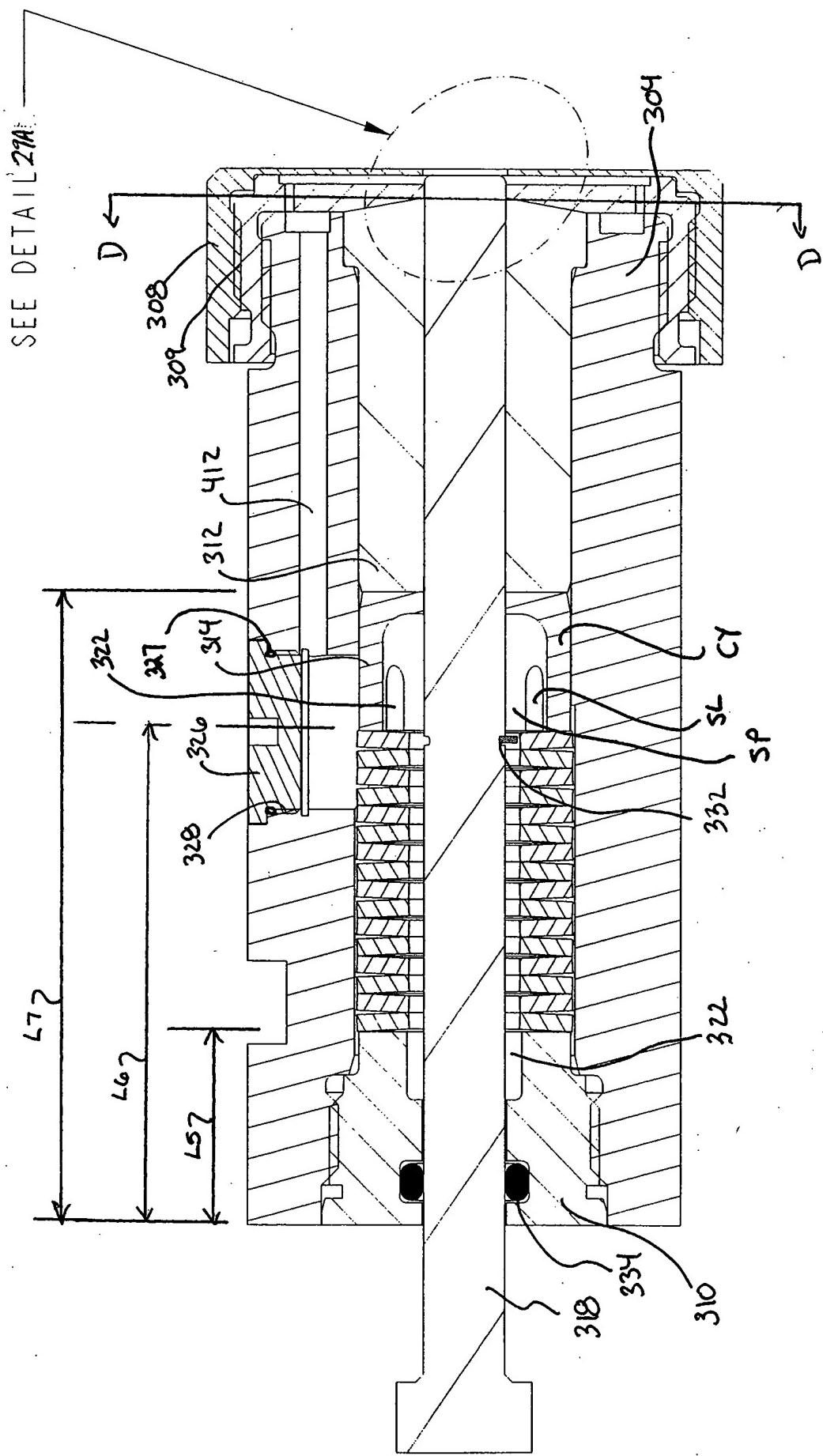


FIG. 29



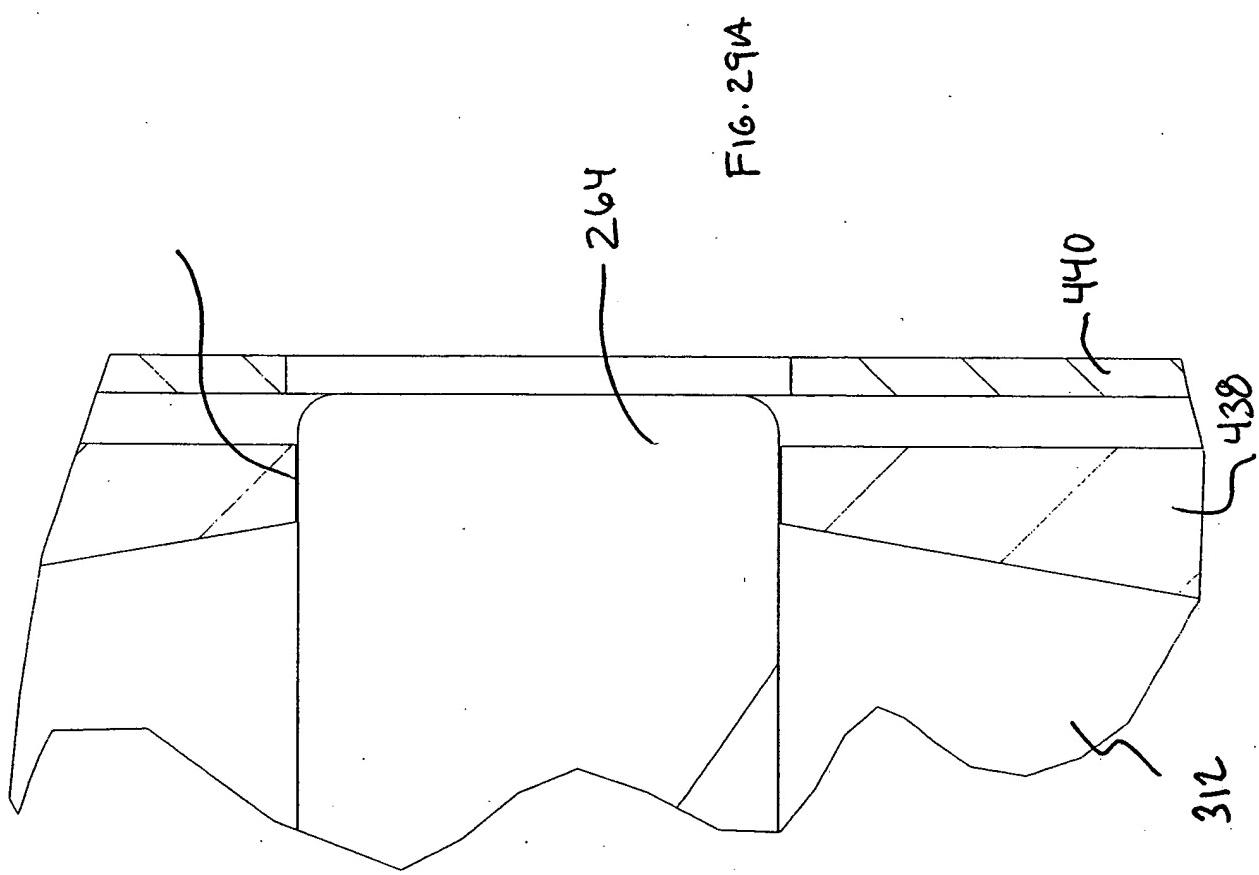
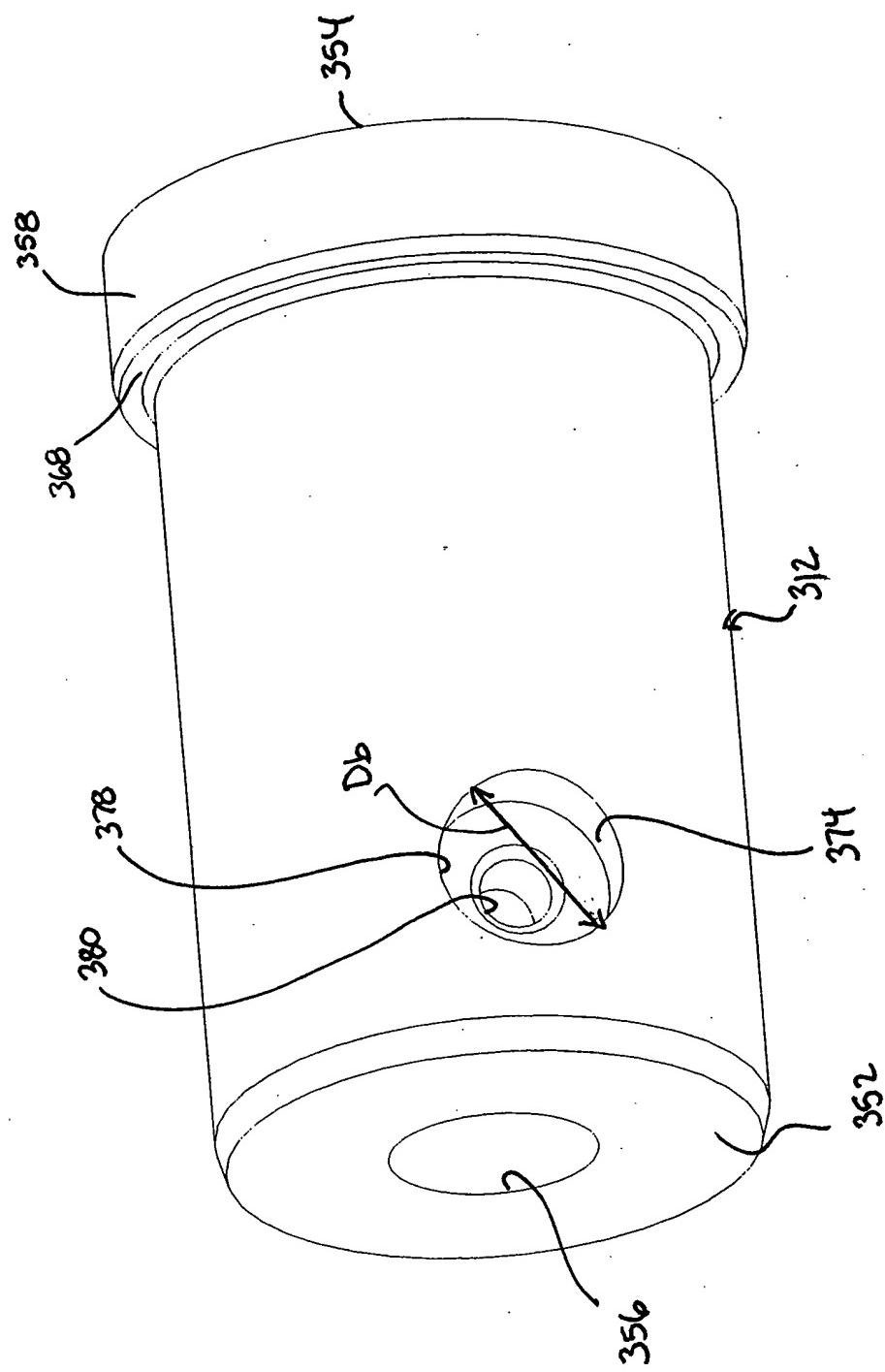
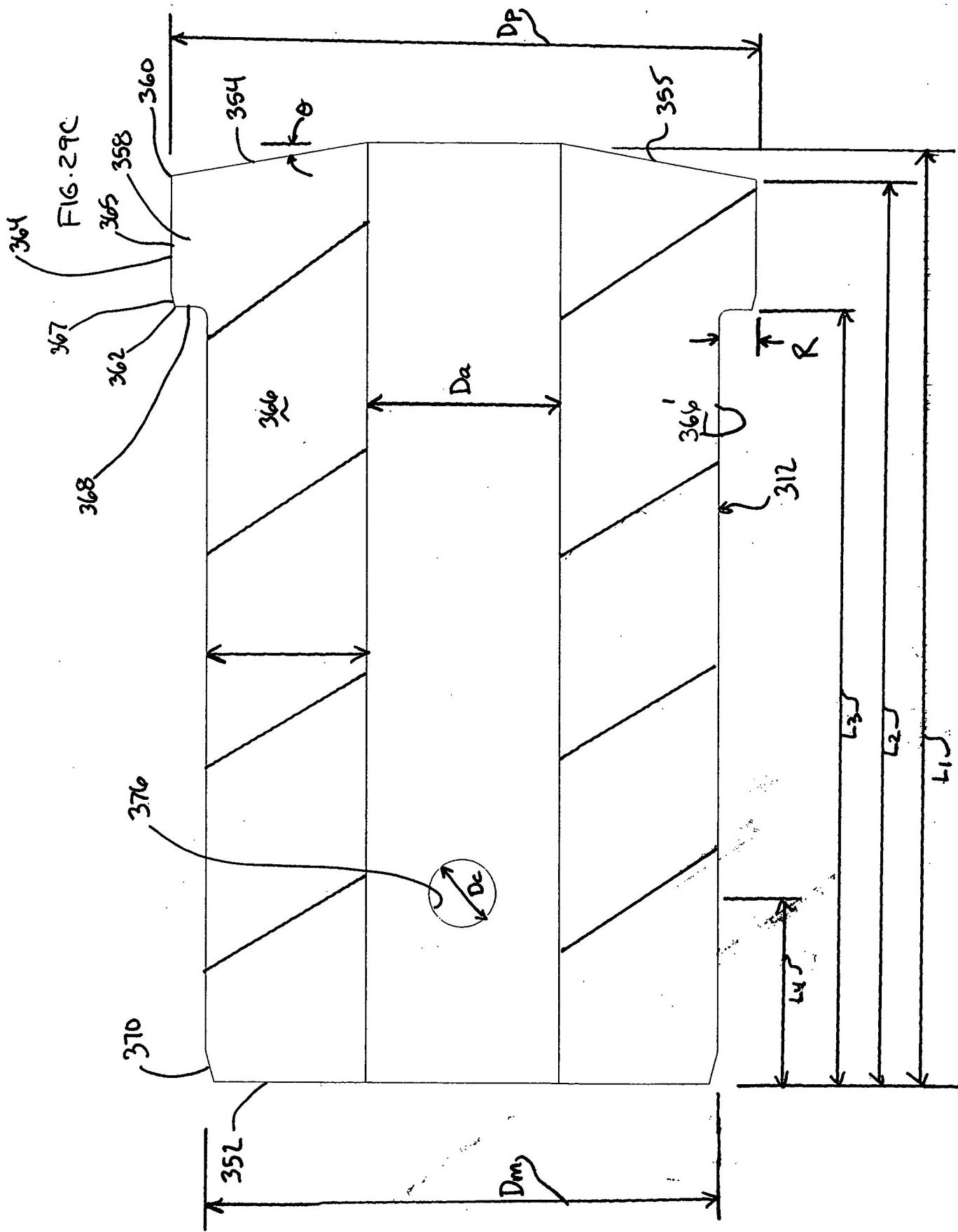


FIG. 29B





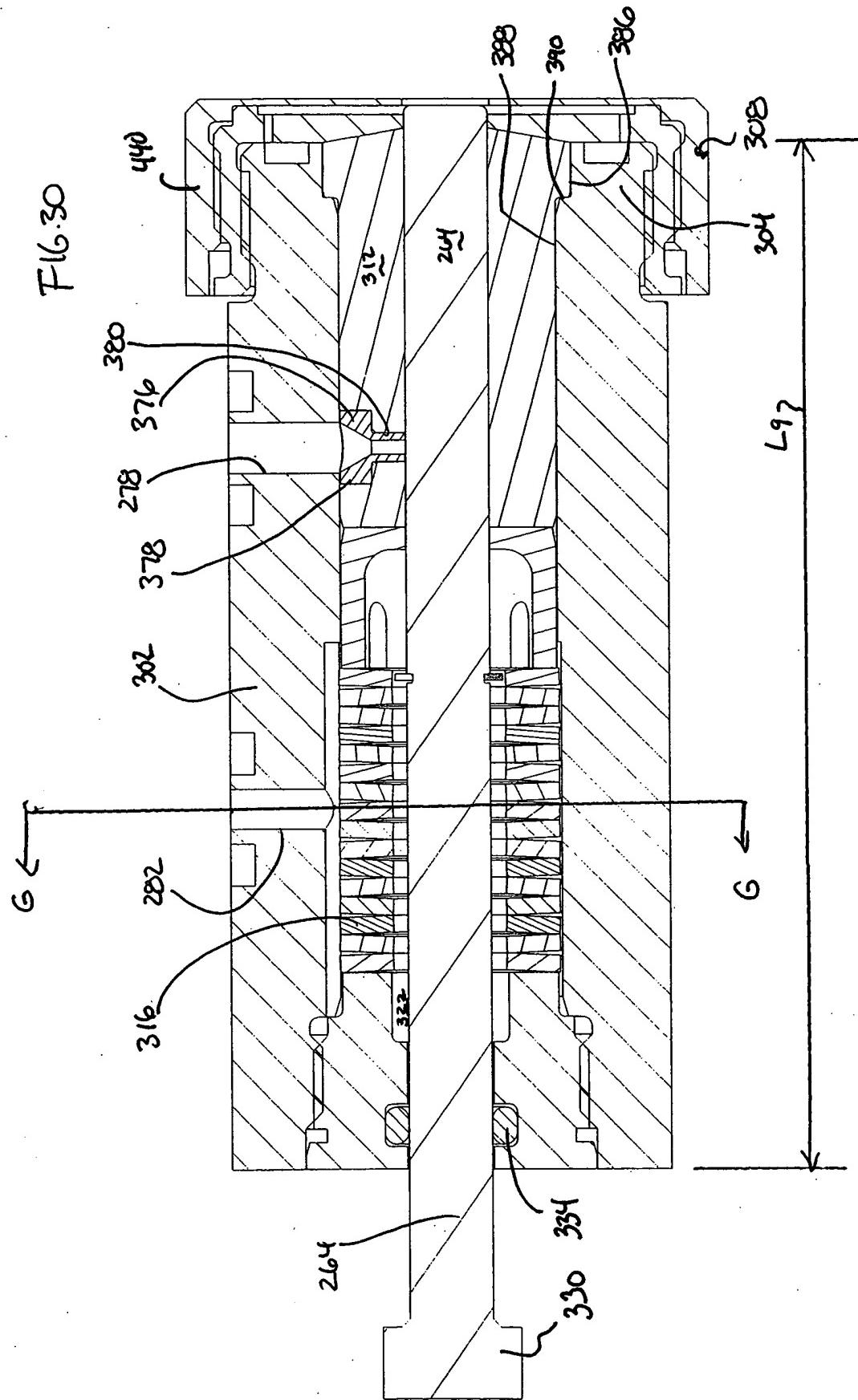
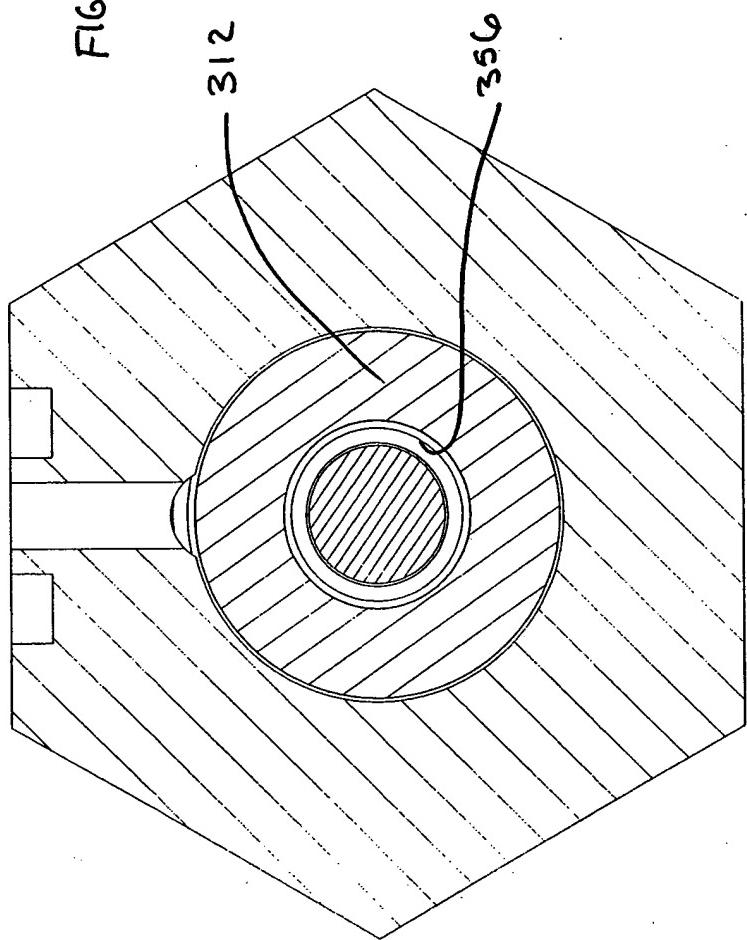
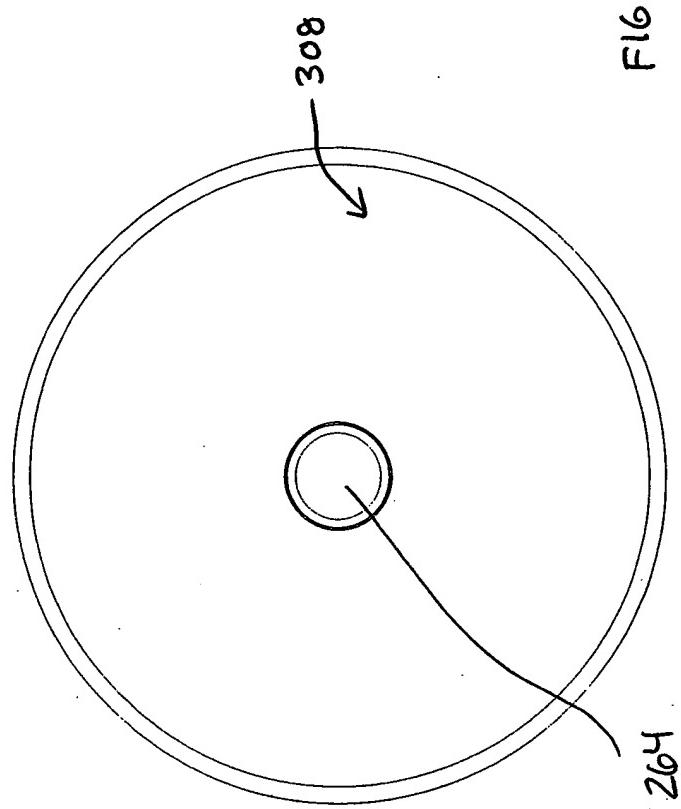


FIG. 31





F16.33

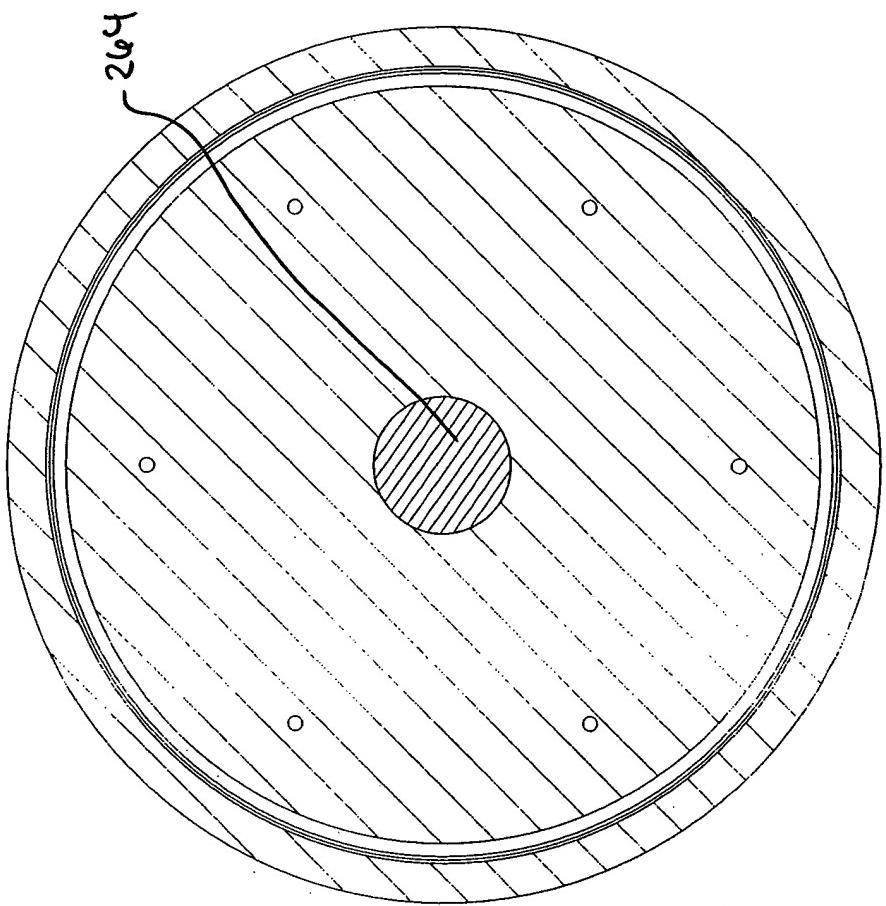


FIG 34A

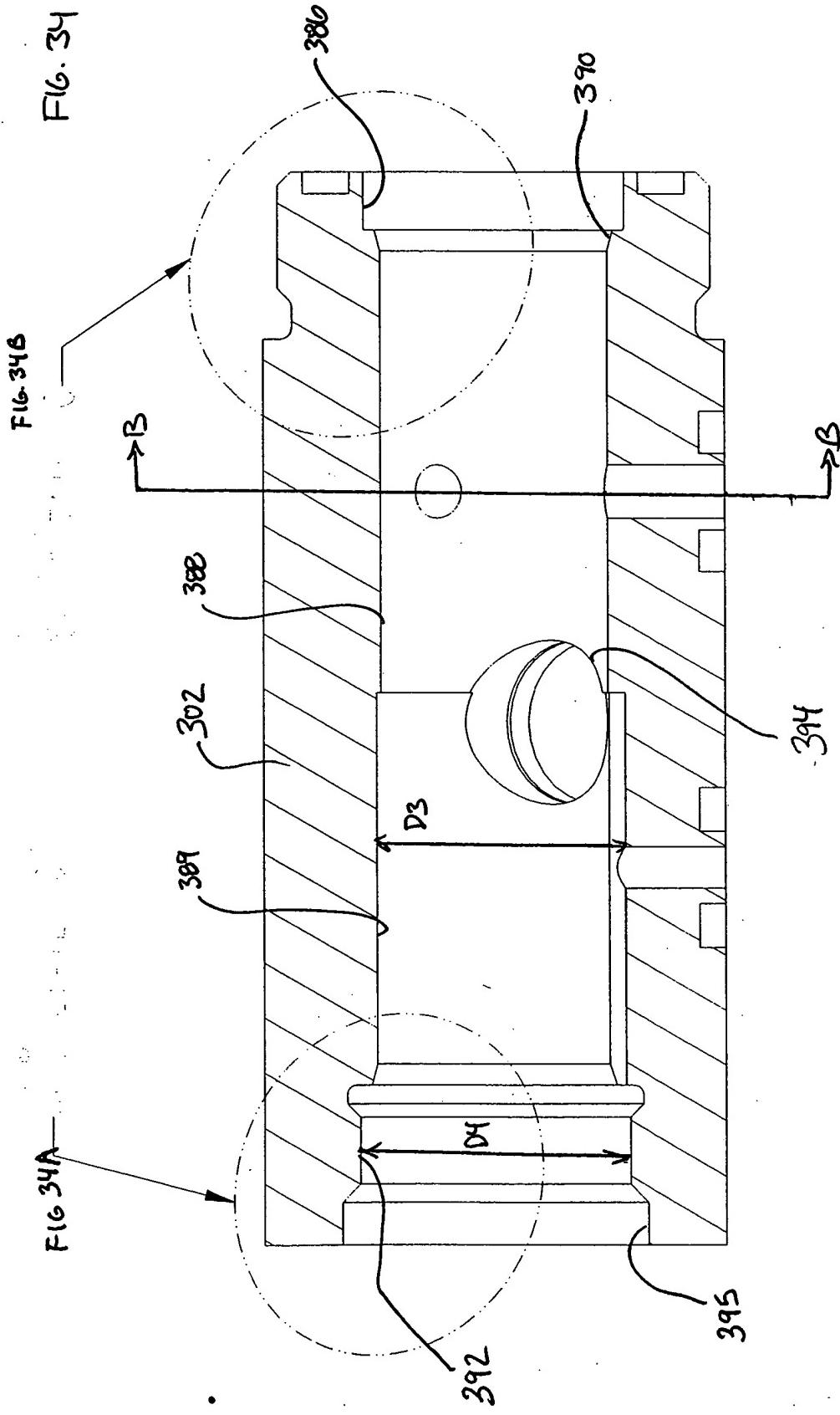


FIG 34B

FIG 34C

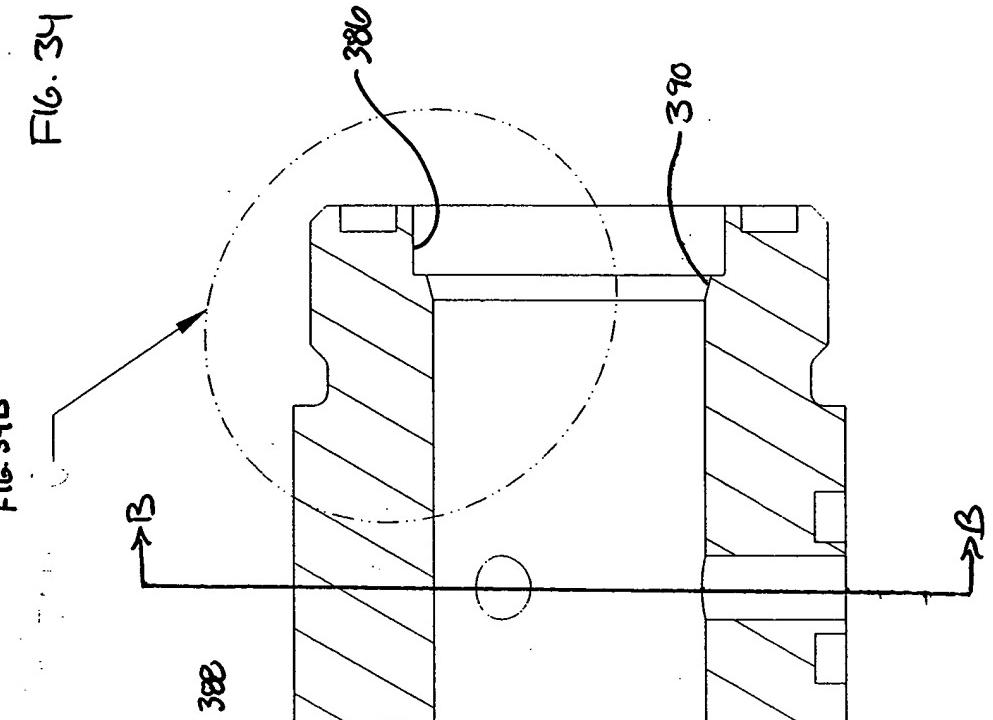


FIG. 34A

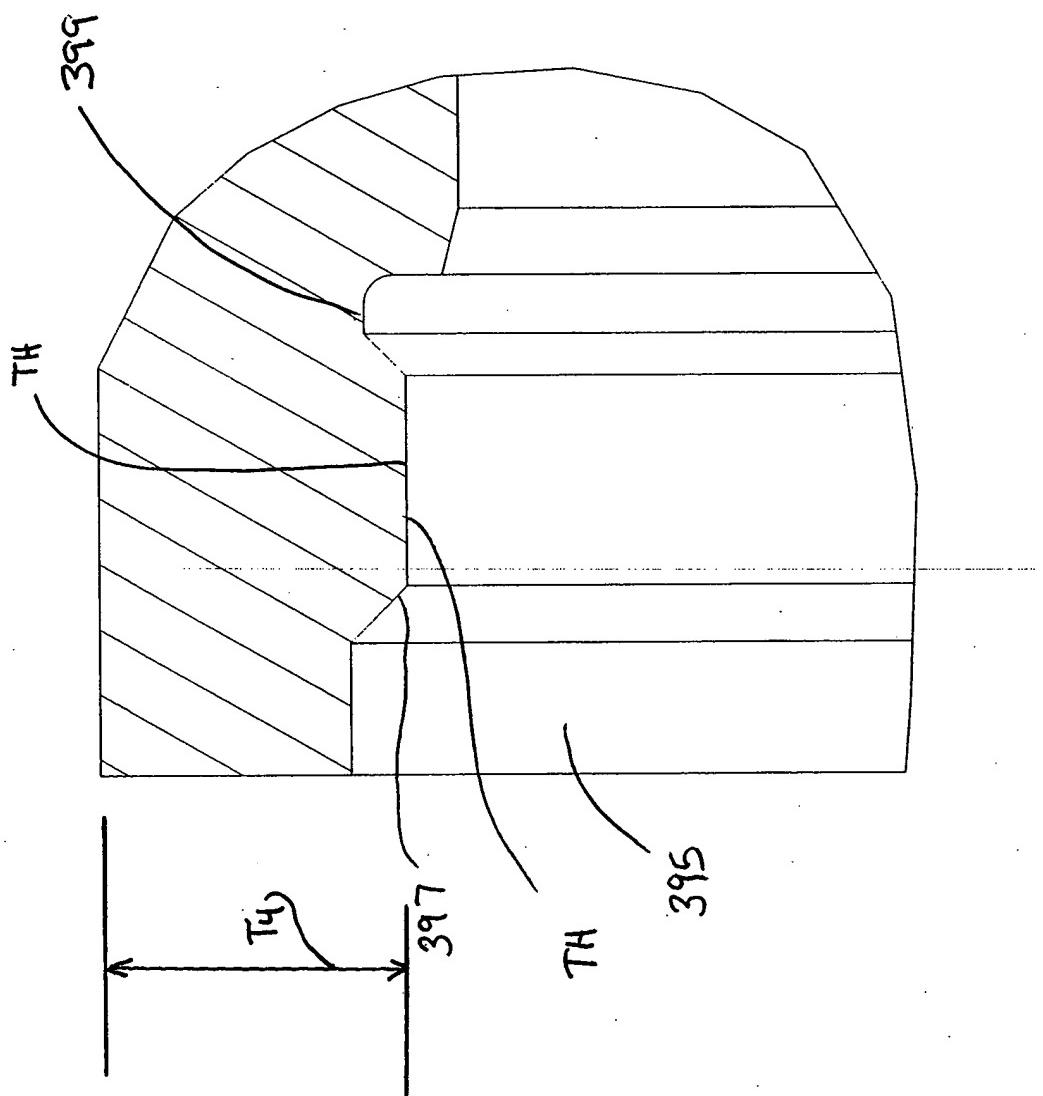
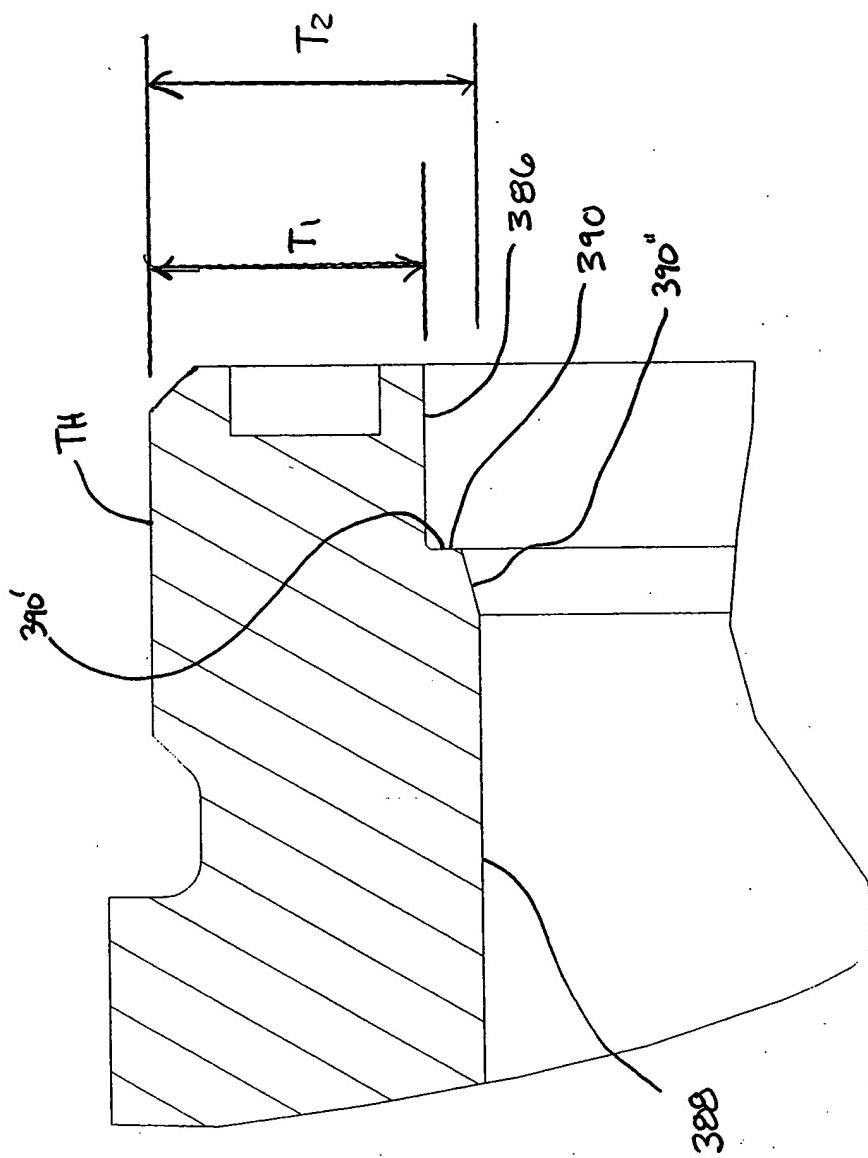
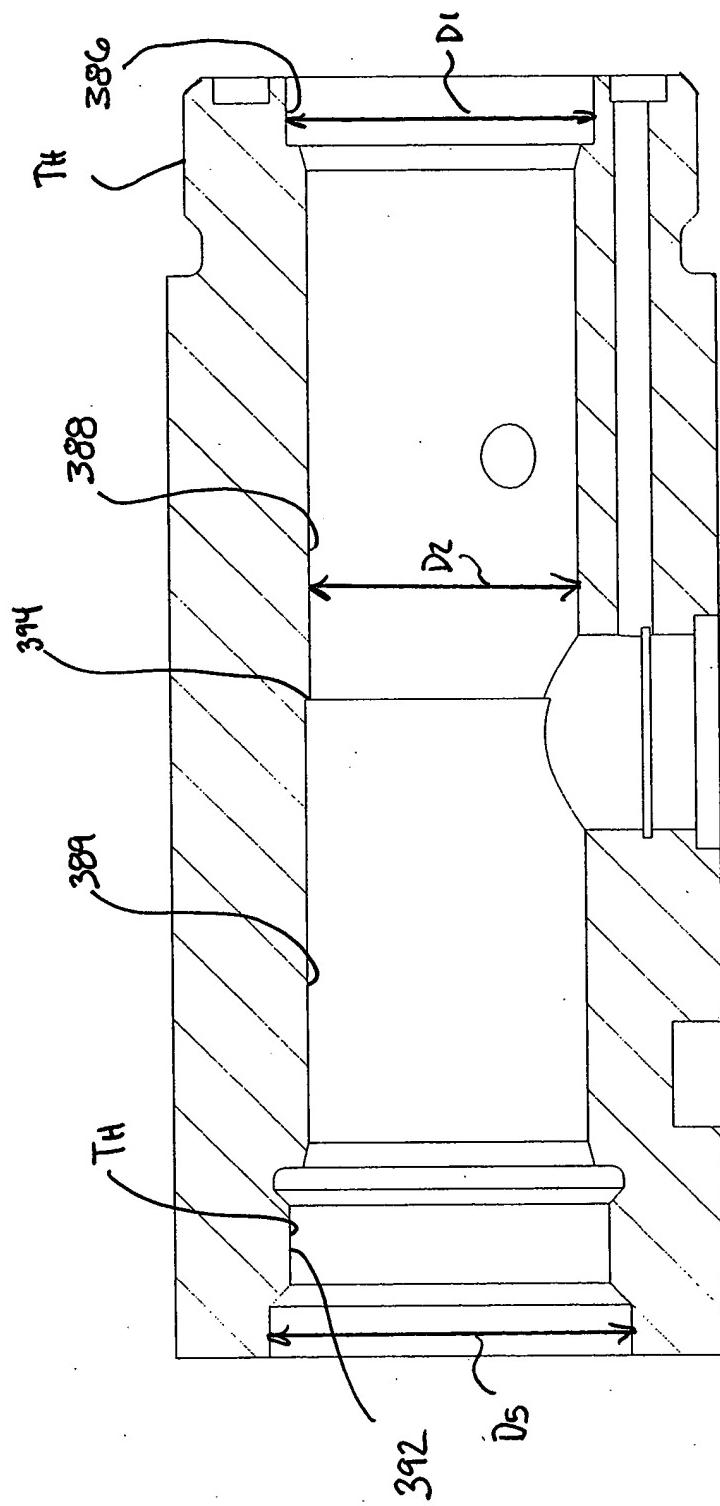
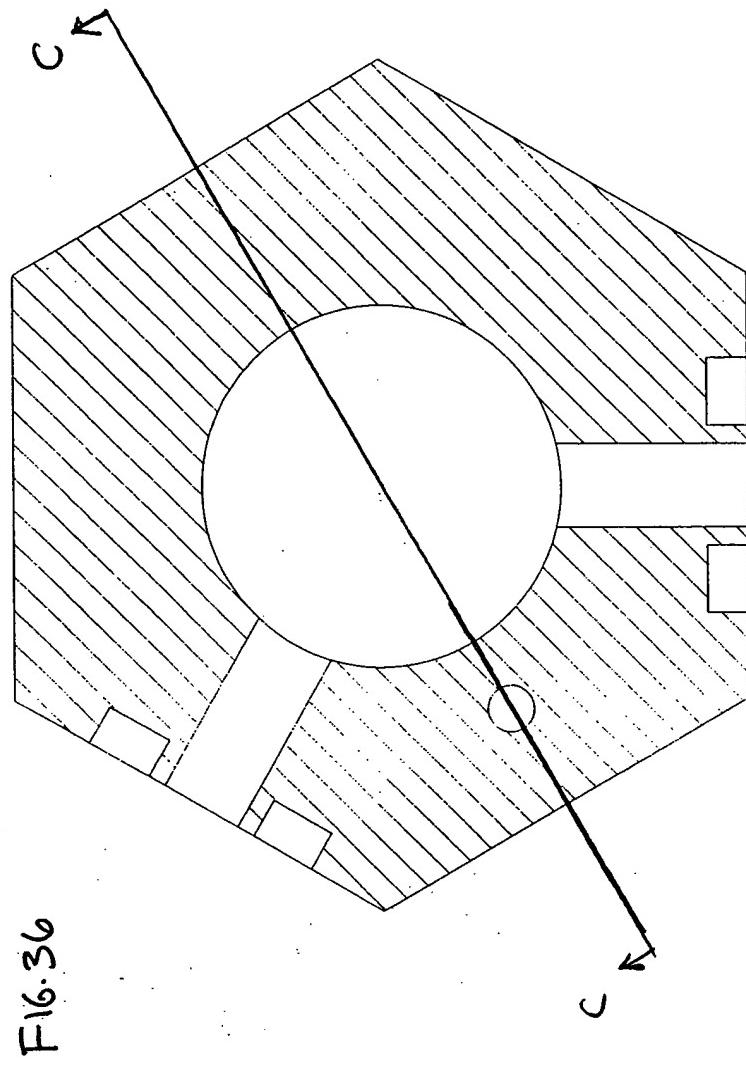


FIG. 34B





F16 - 35



F16.36

F16.37

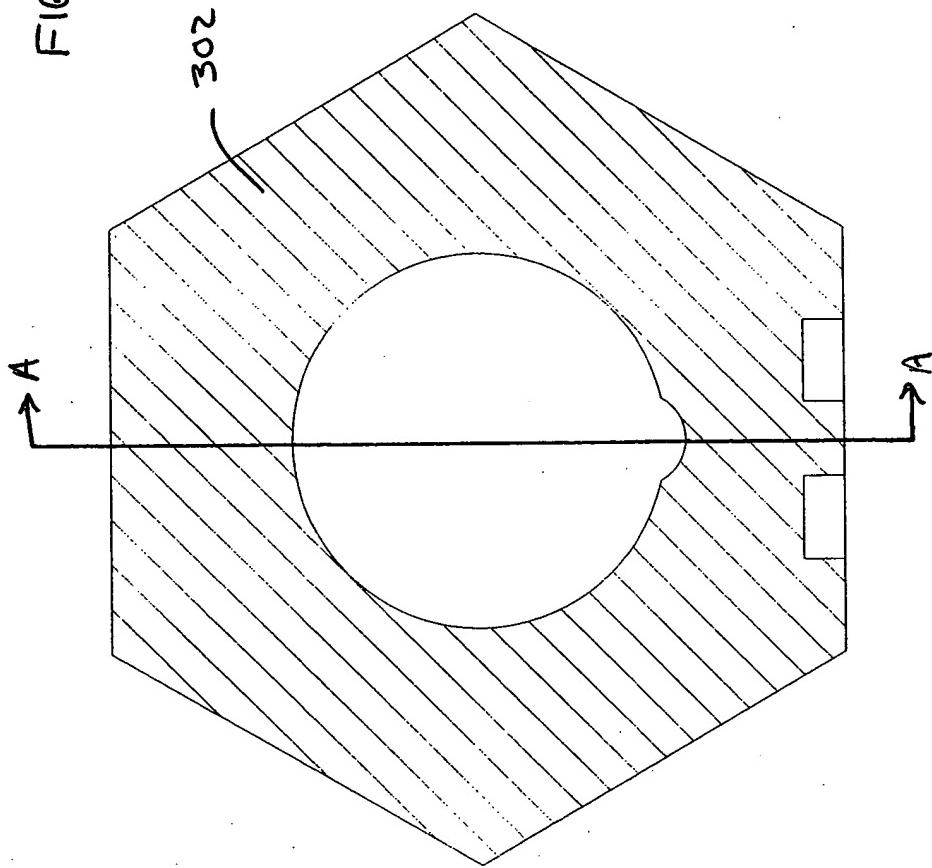
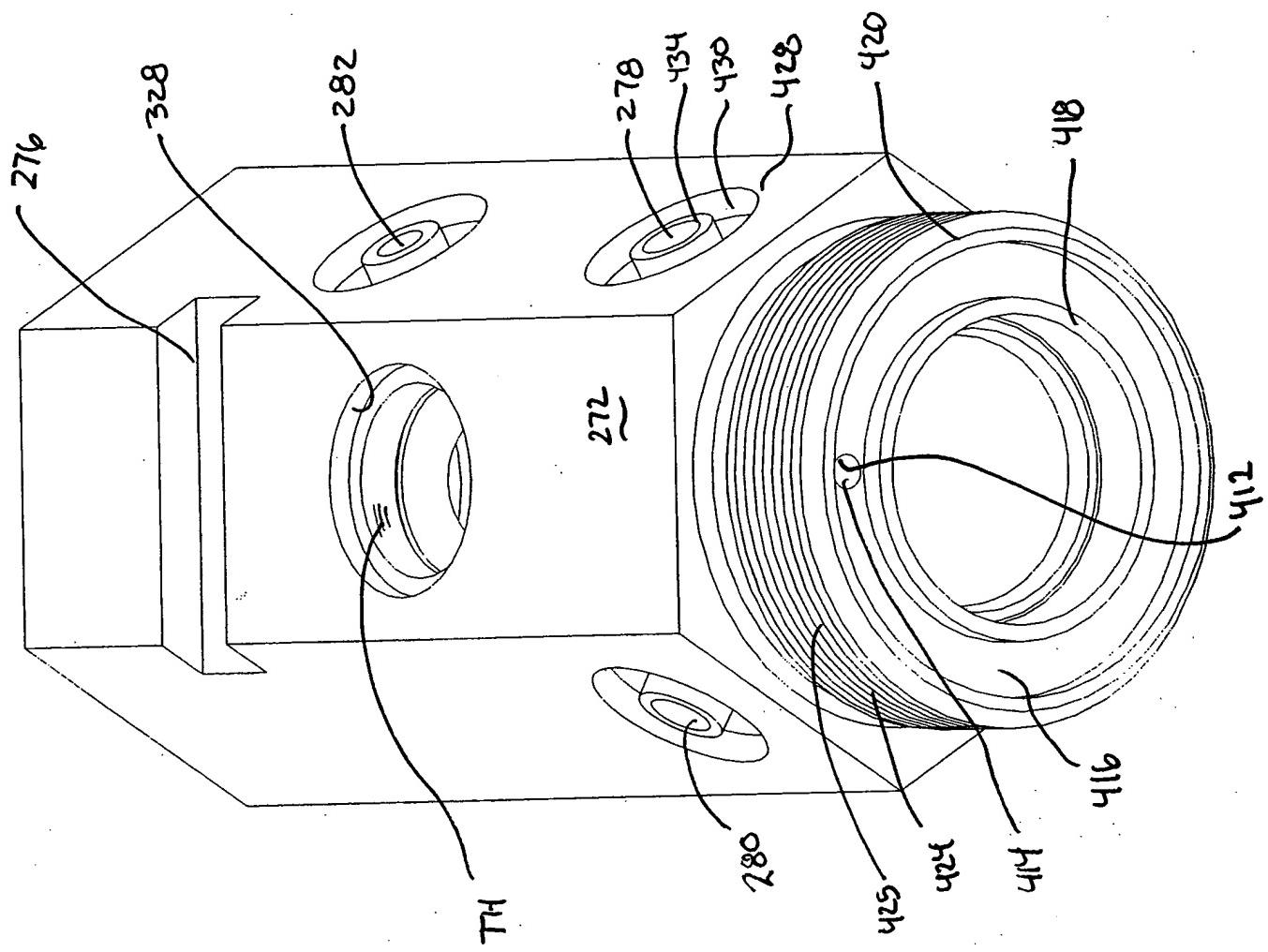
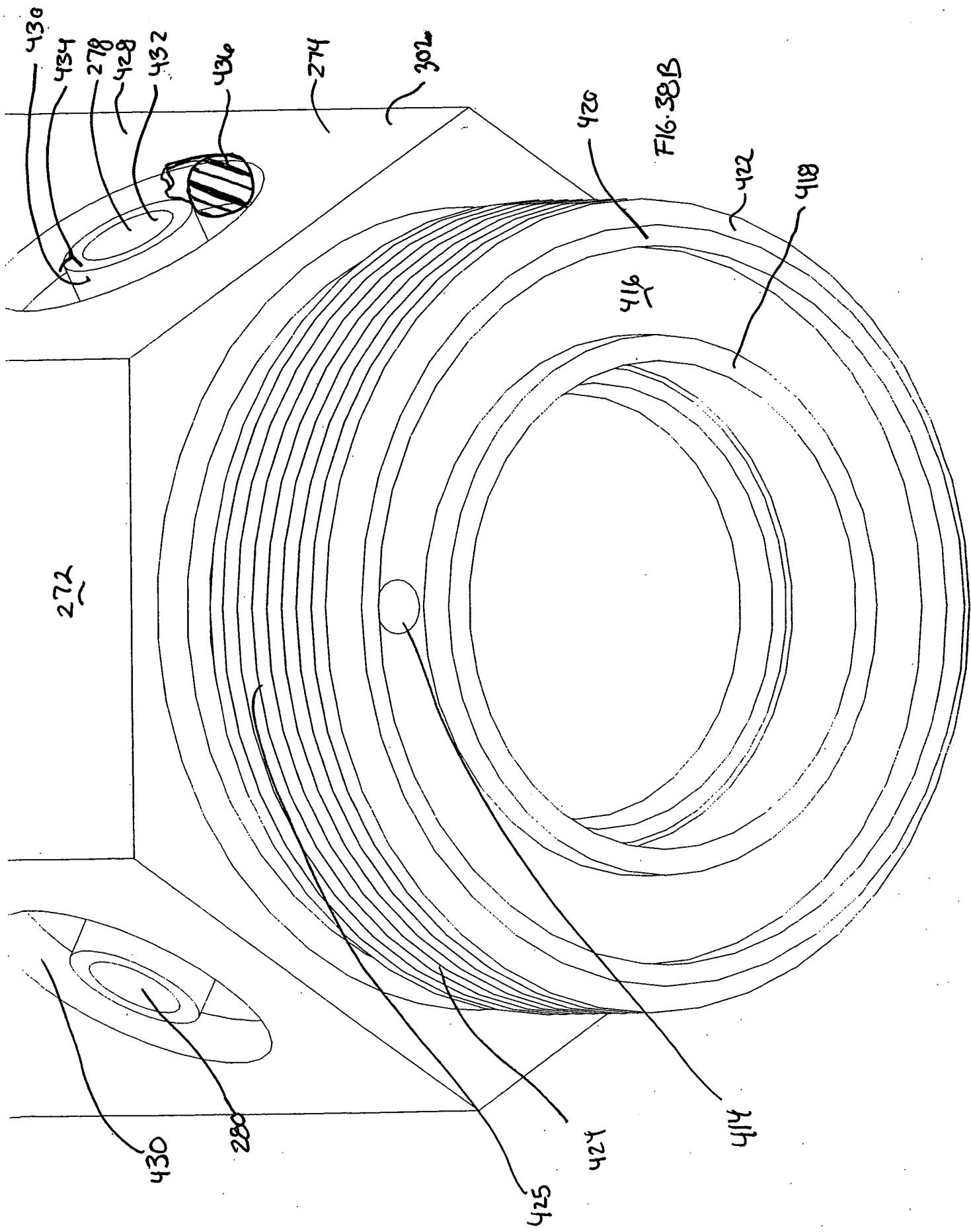


FIG. 381A





F16.39

414

424

426

428

302

412

390

386

398

417

418

420

422

416

F16.39

Fig. 40

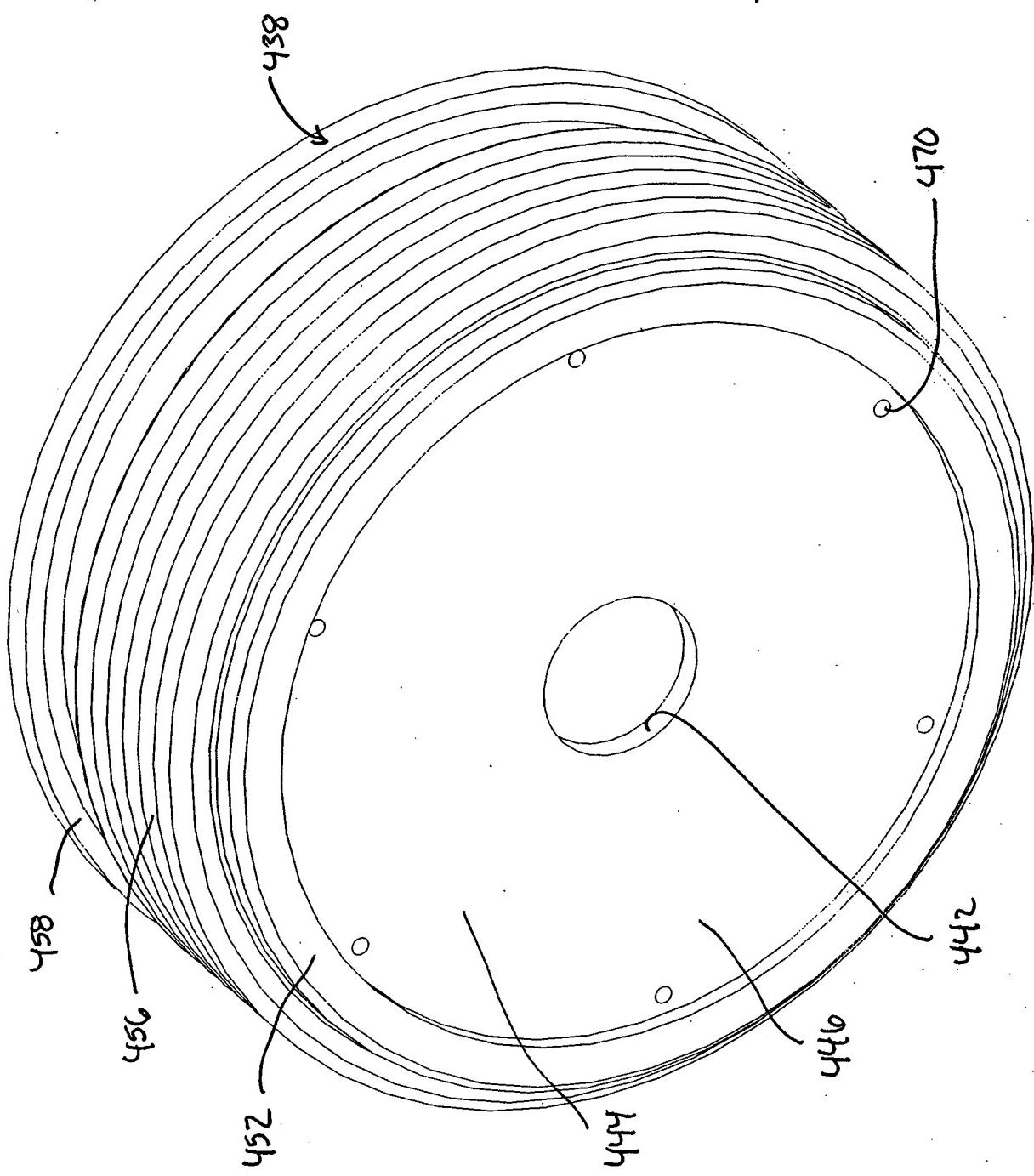


FIG. 41

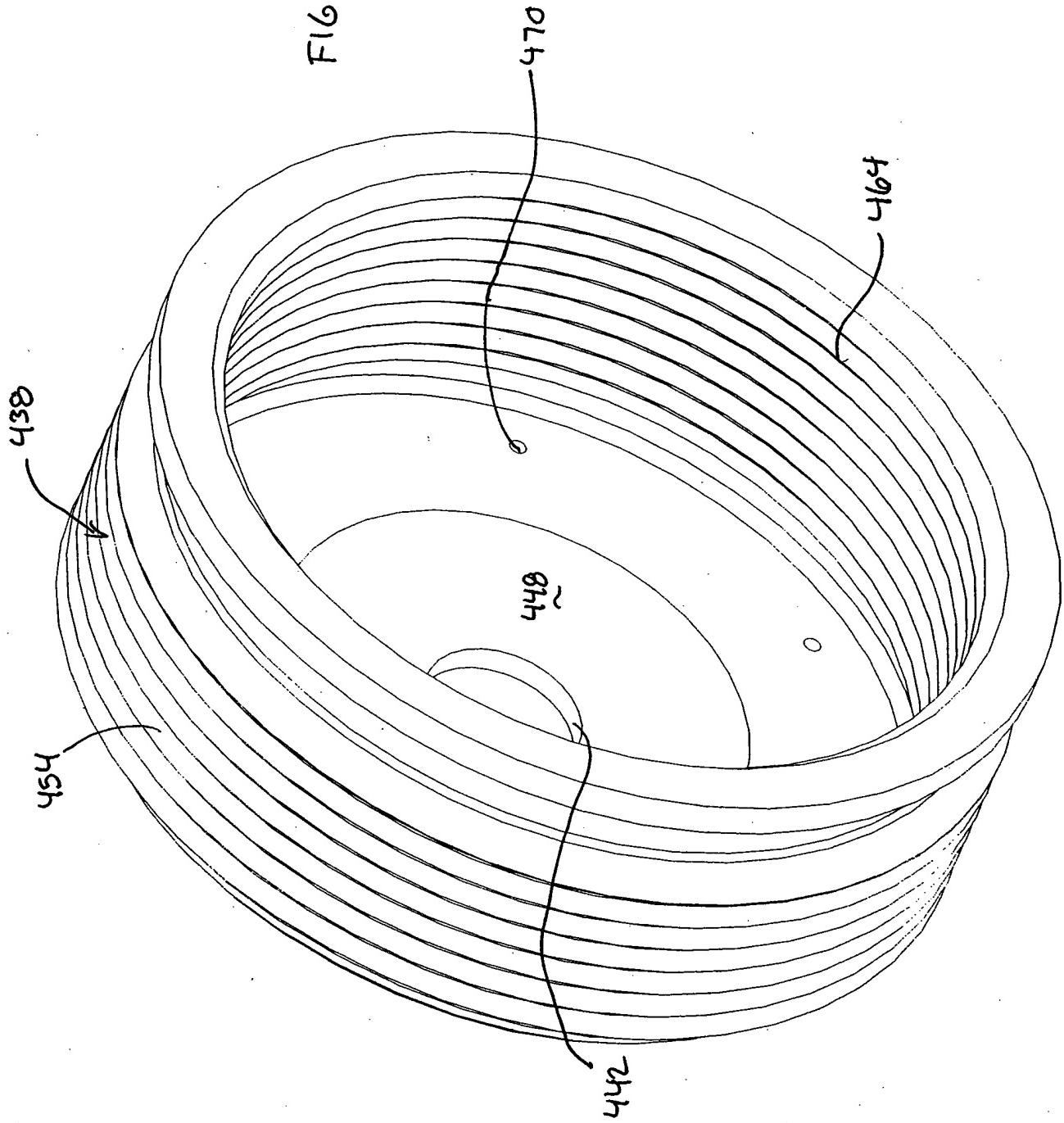
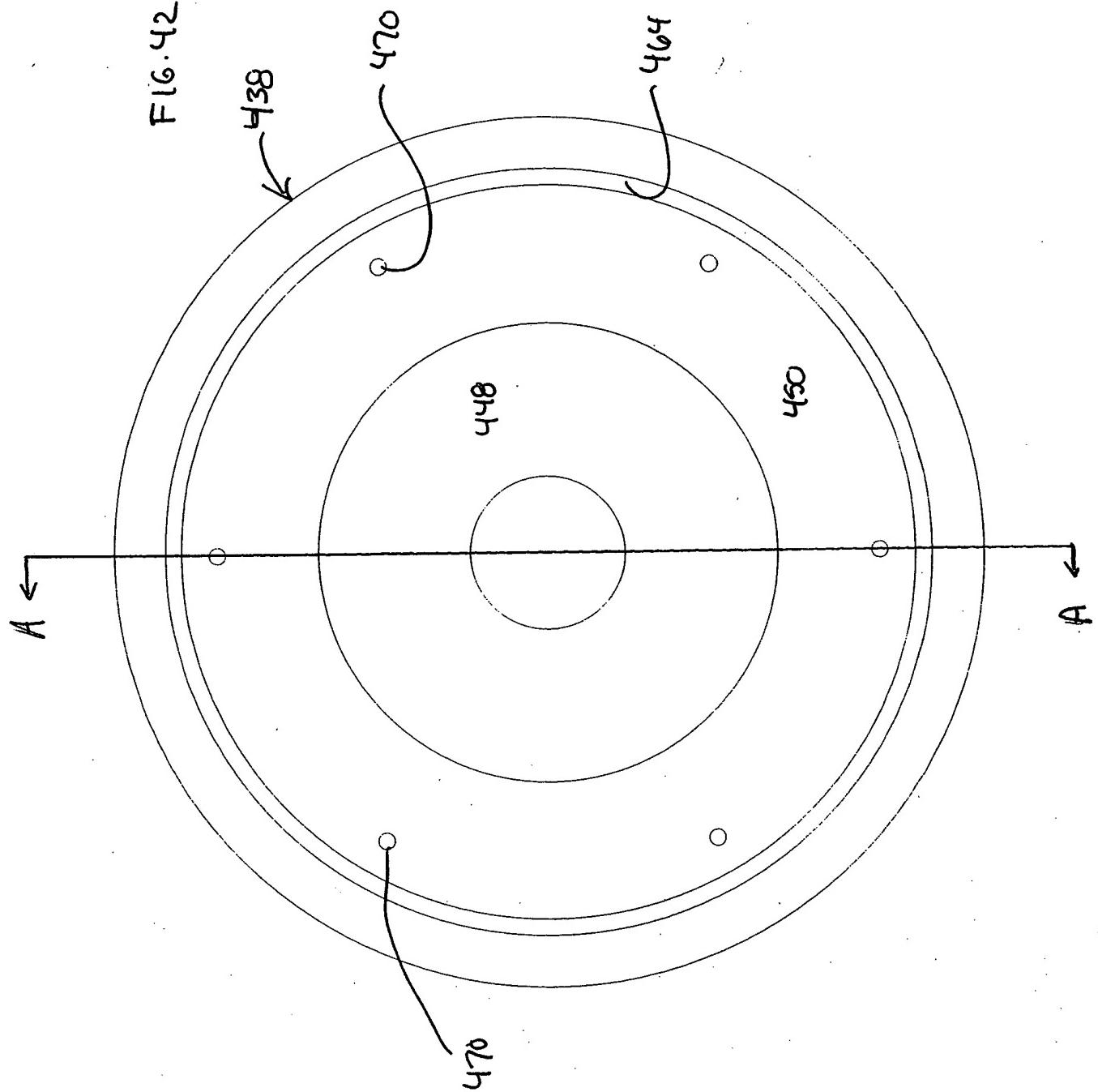
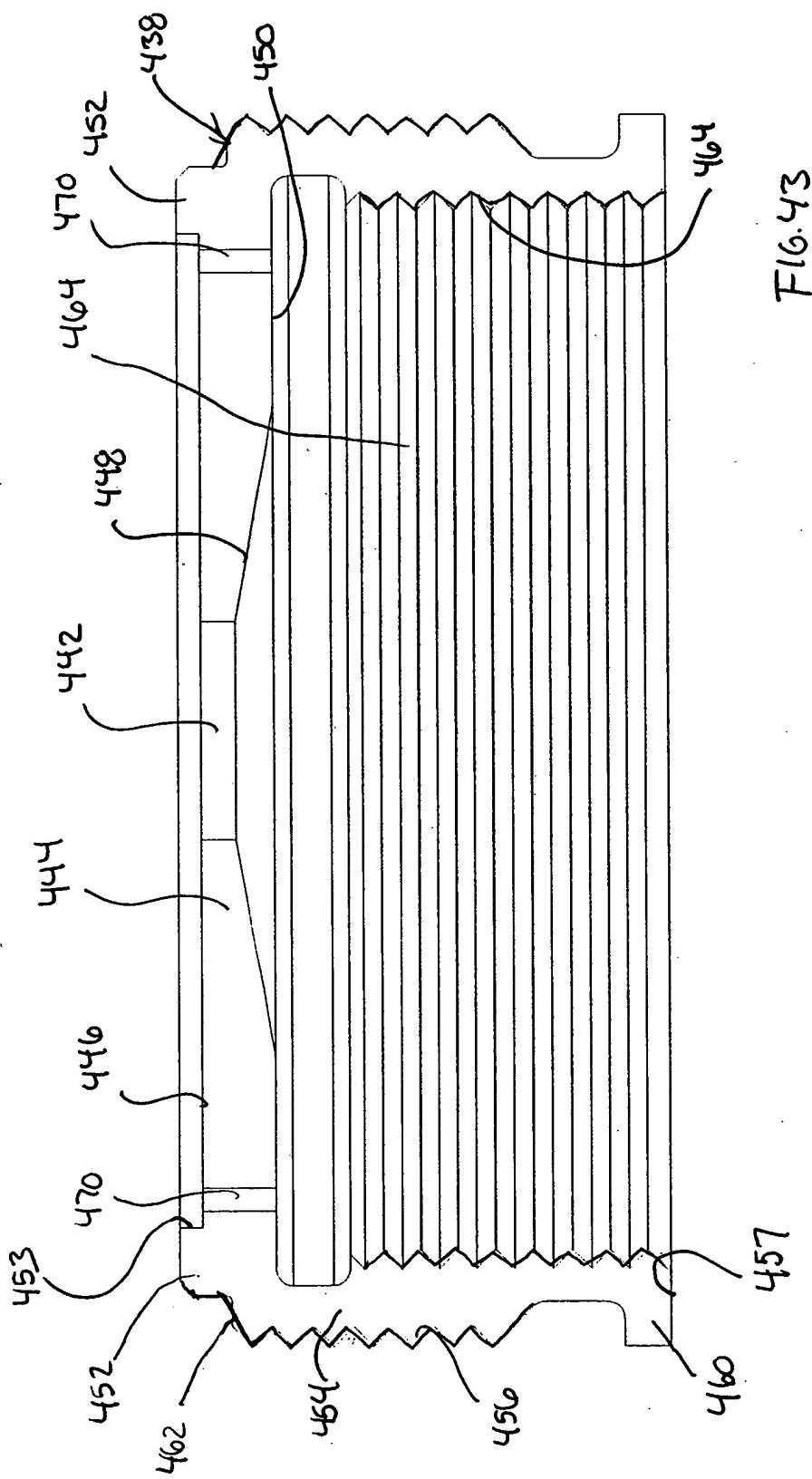


FIG. 42





F16.44

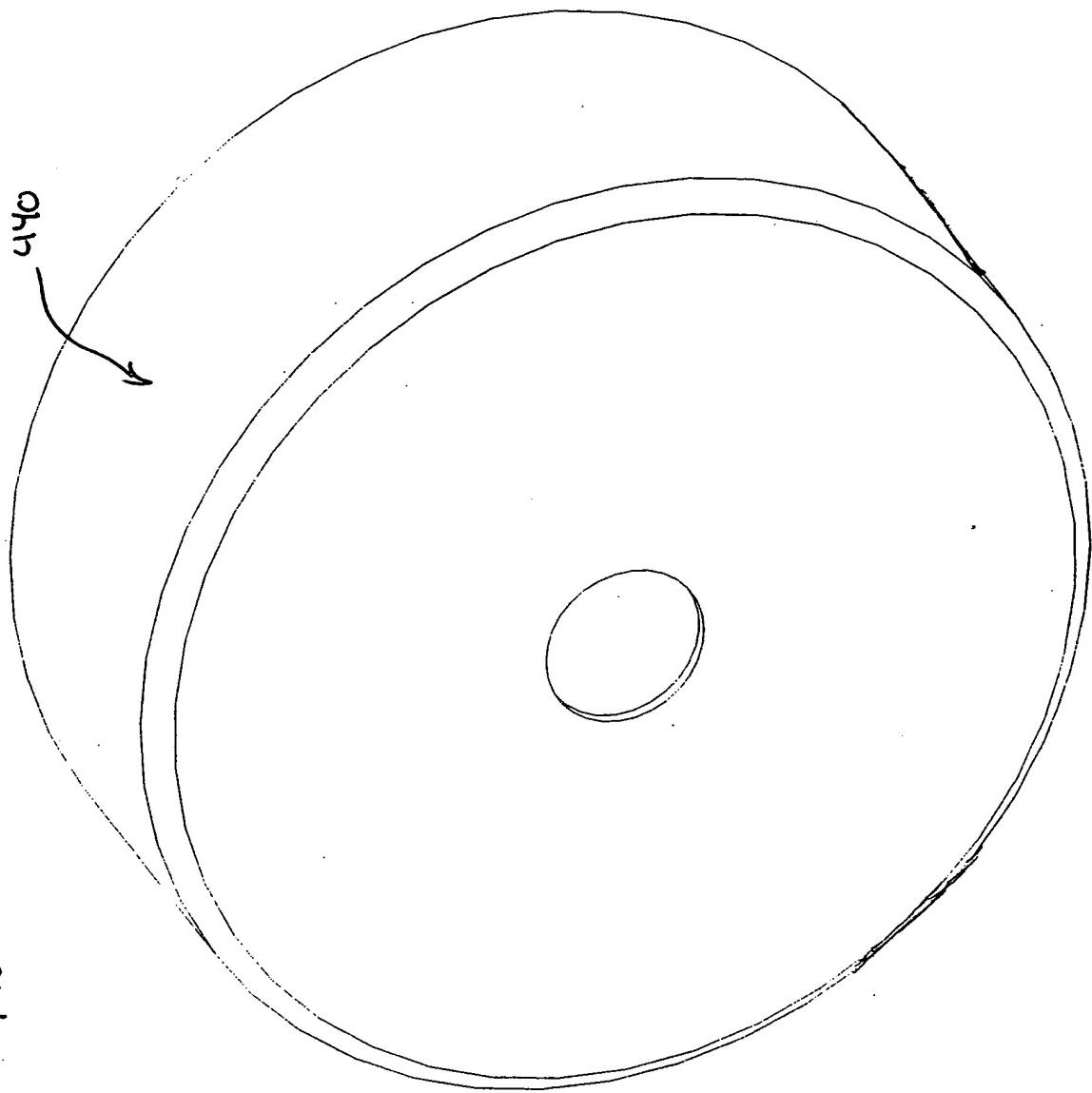


FIG. 45

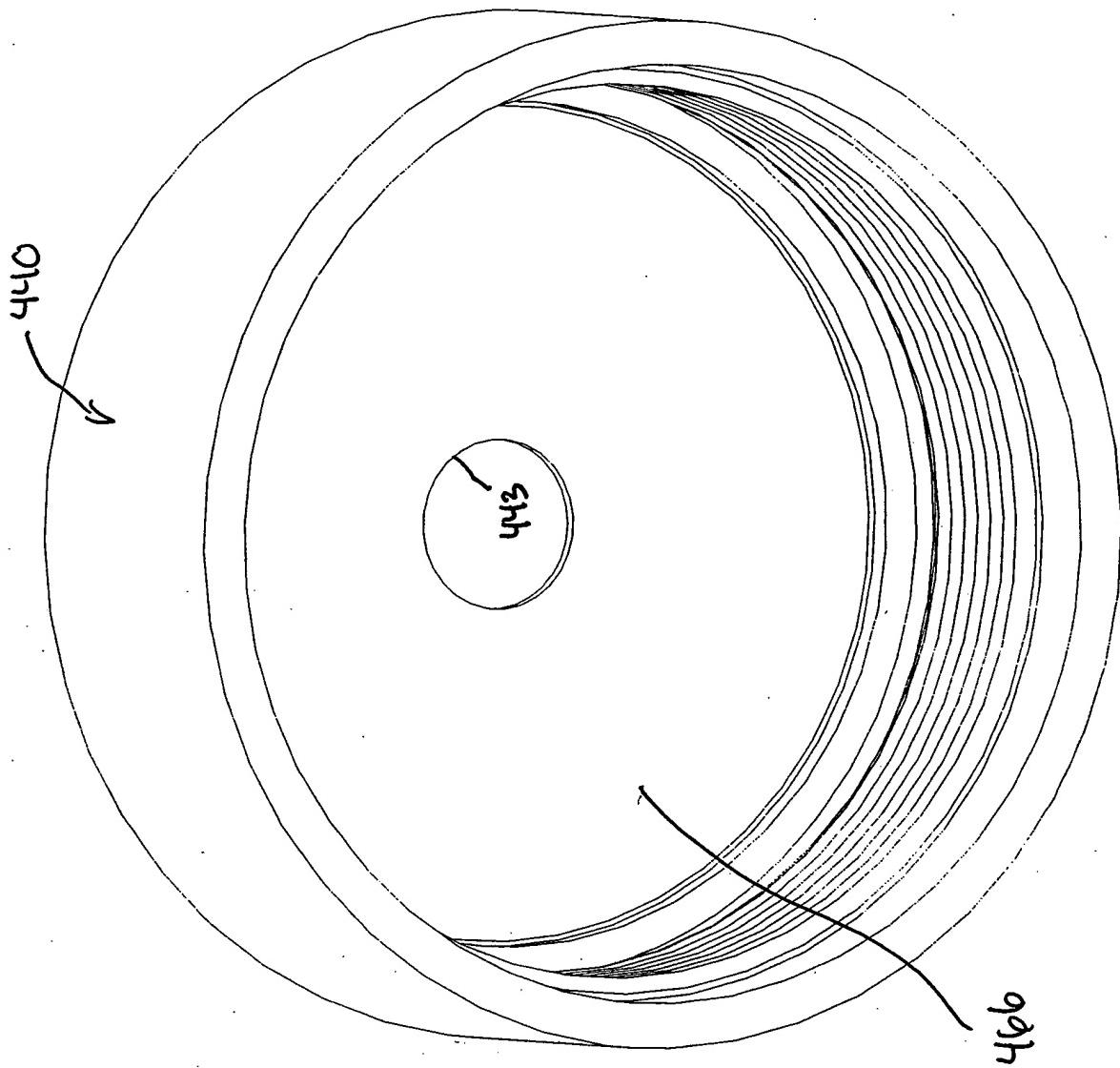
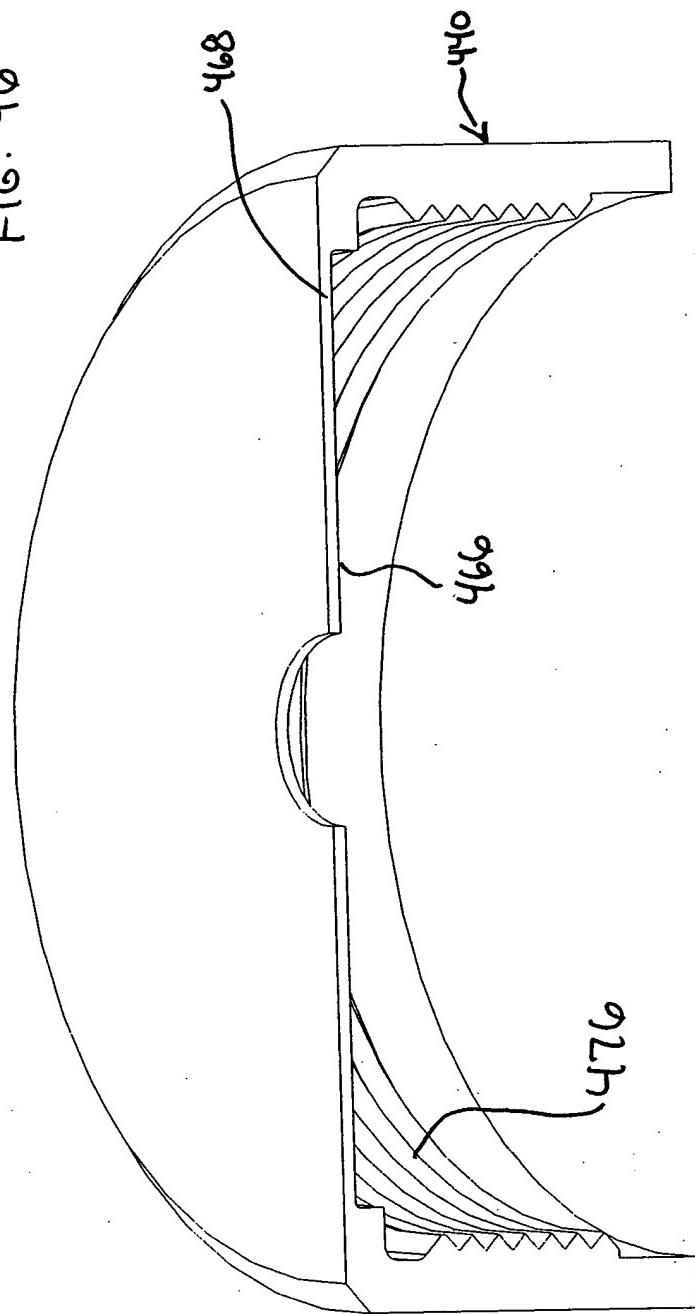
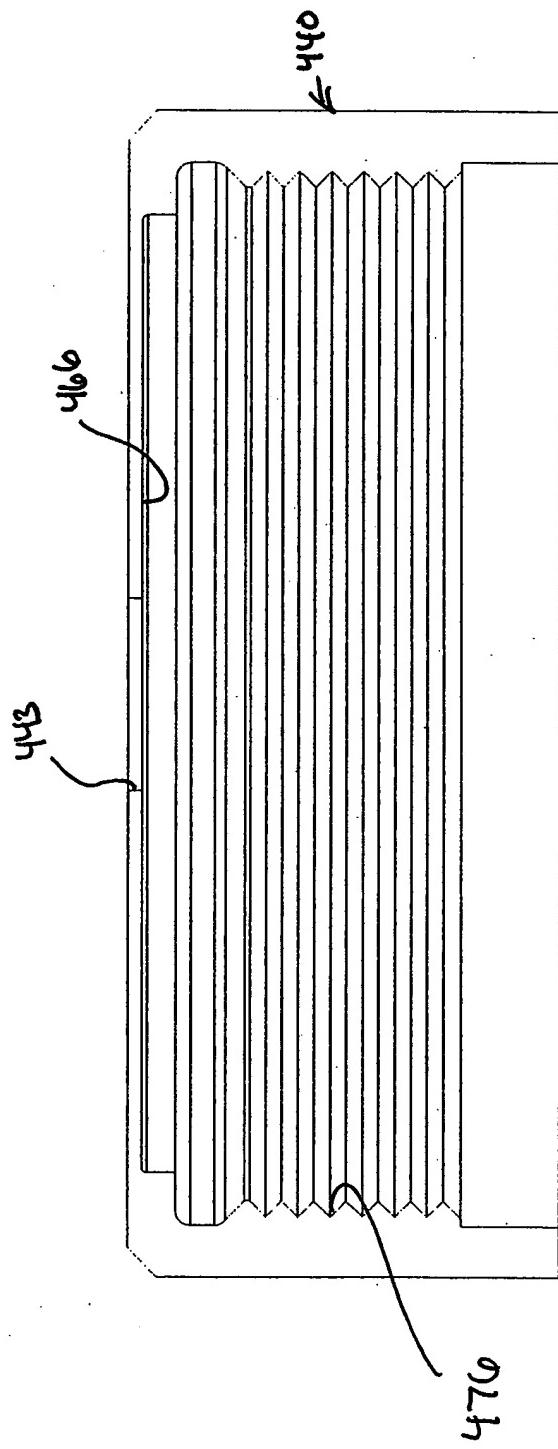
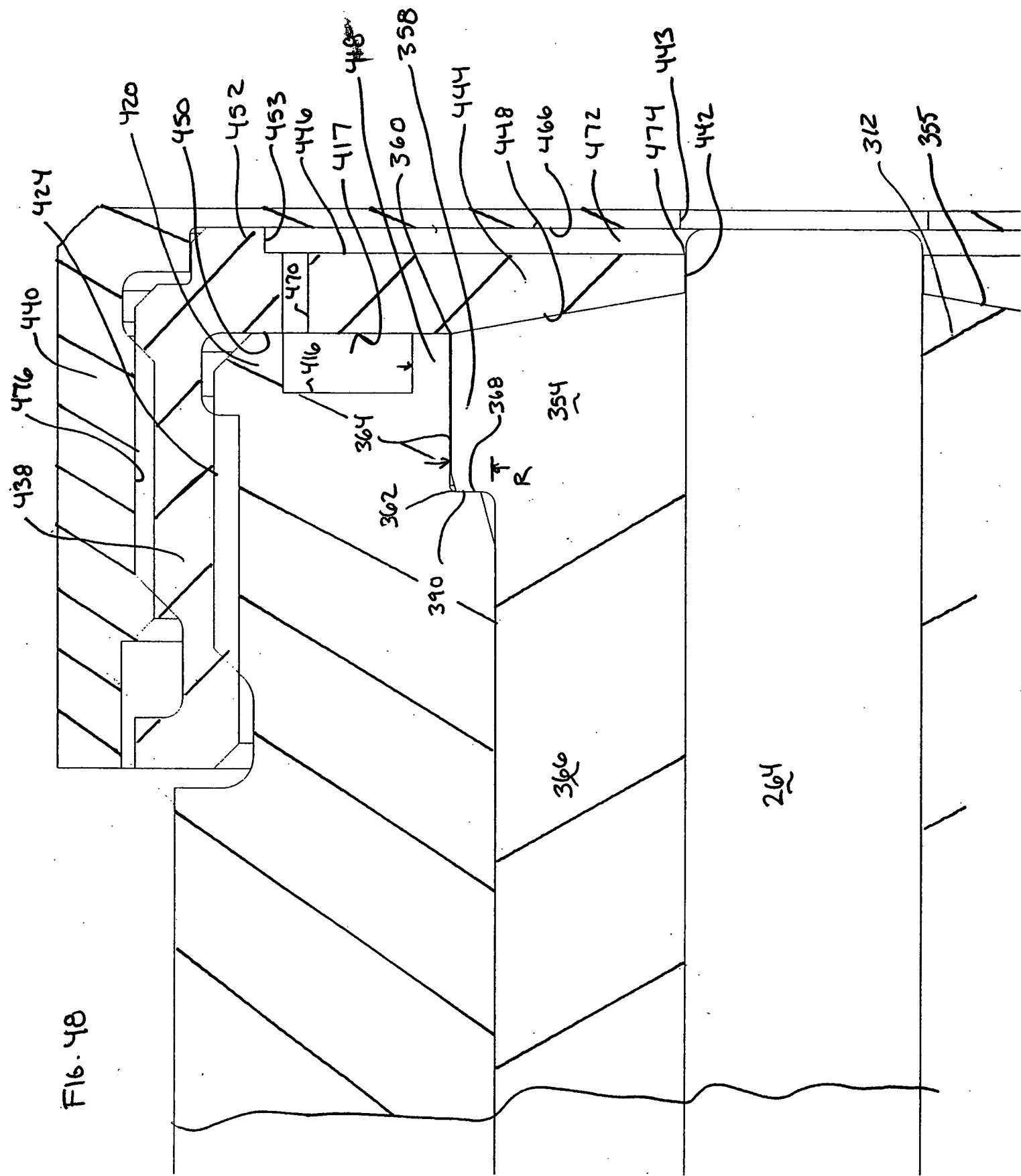


FIG. 46



F16.47





F16. 48

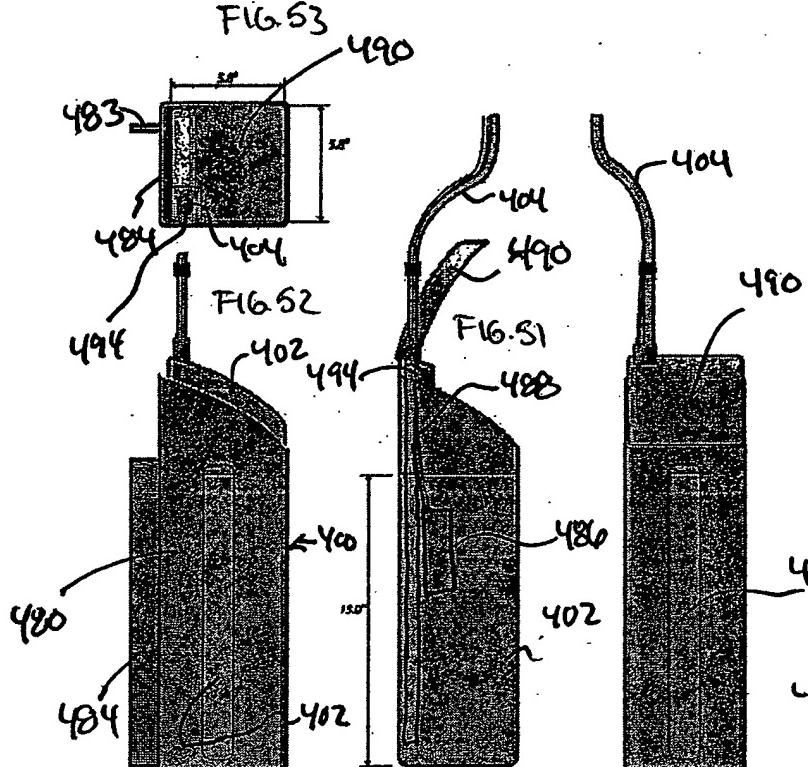
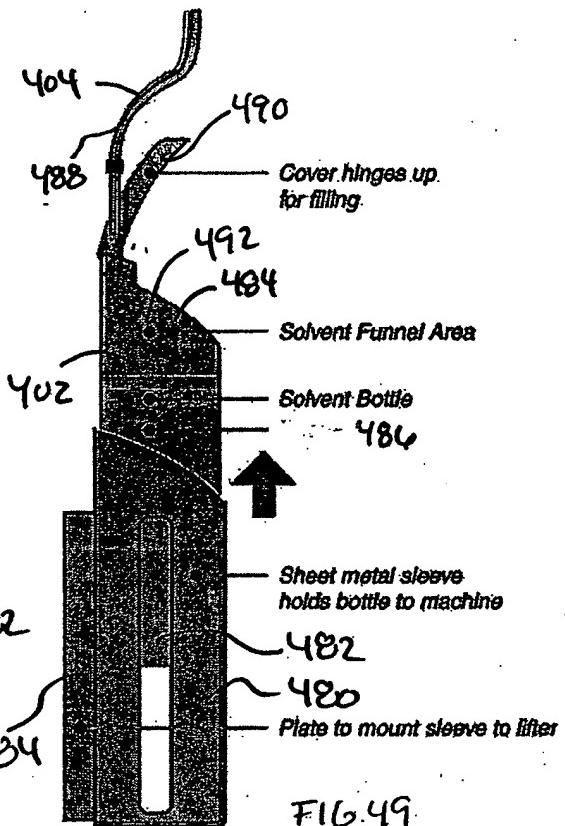


FIG. 5d



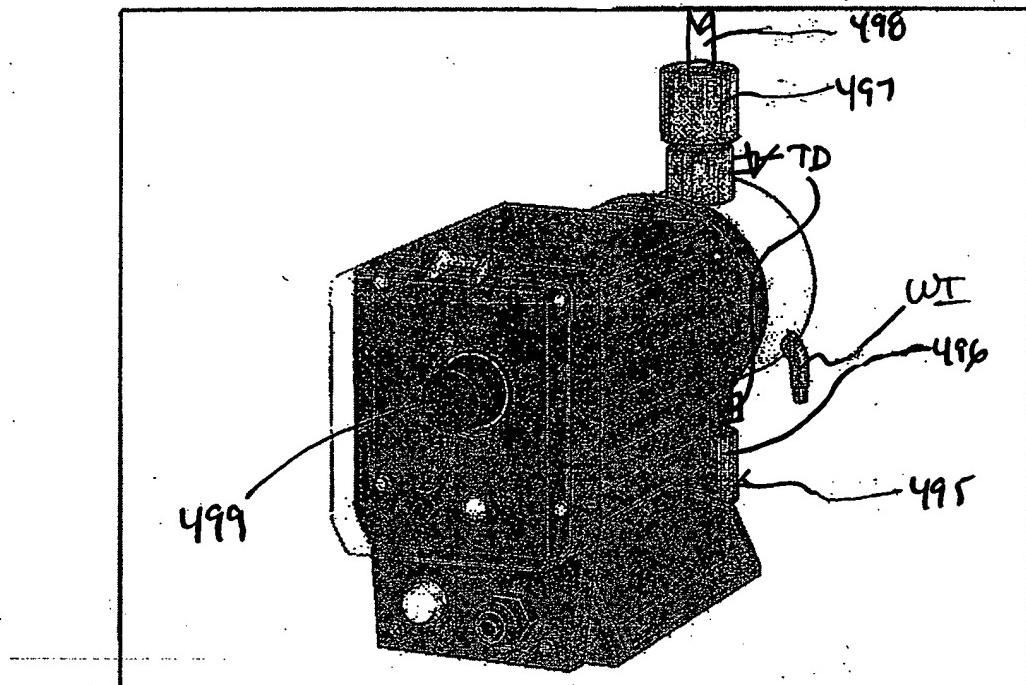


FIG. 54

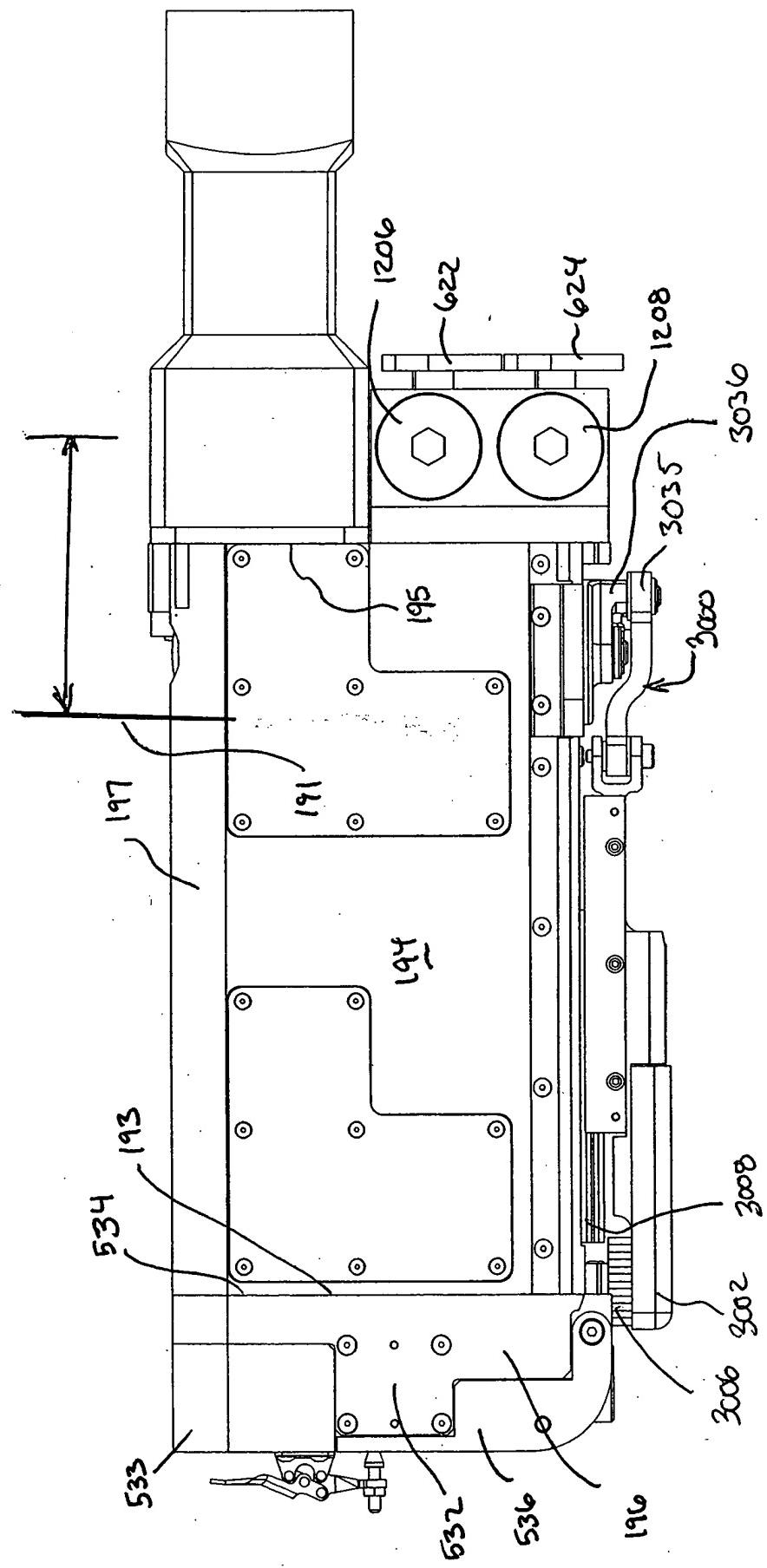


FIG. 55

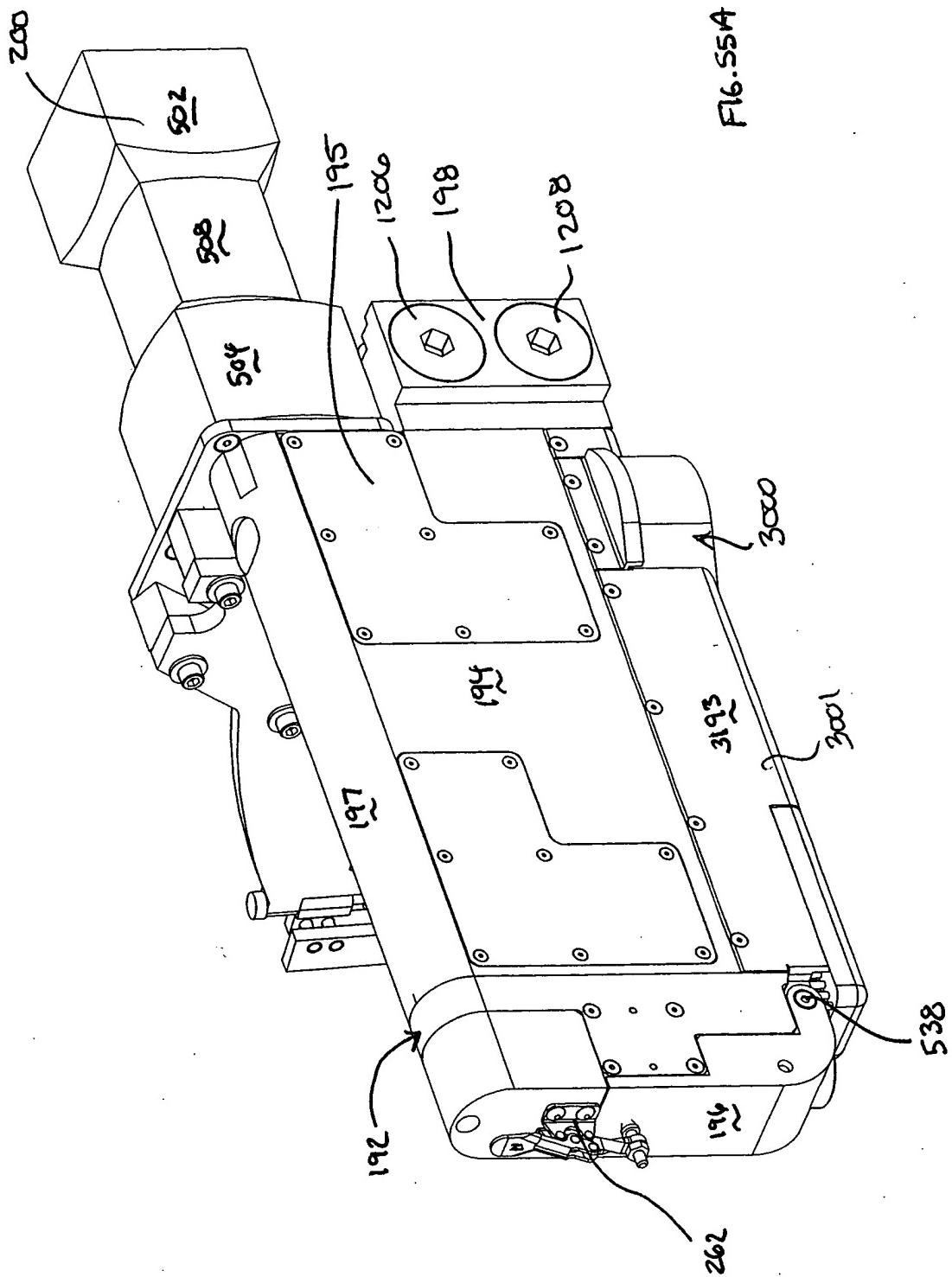
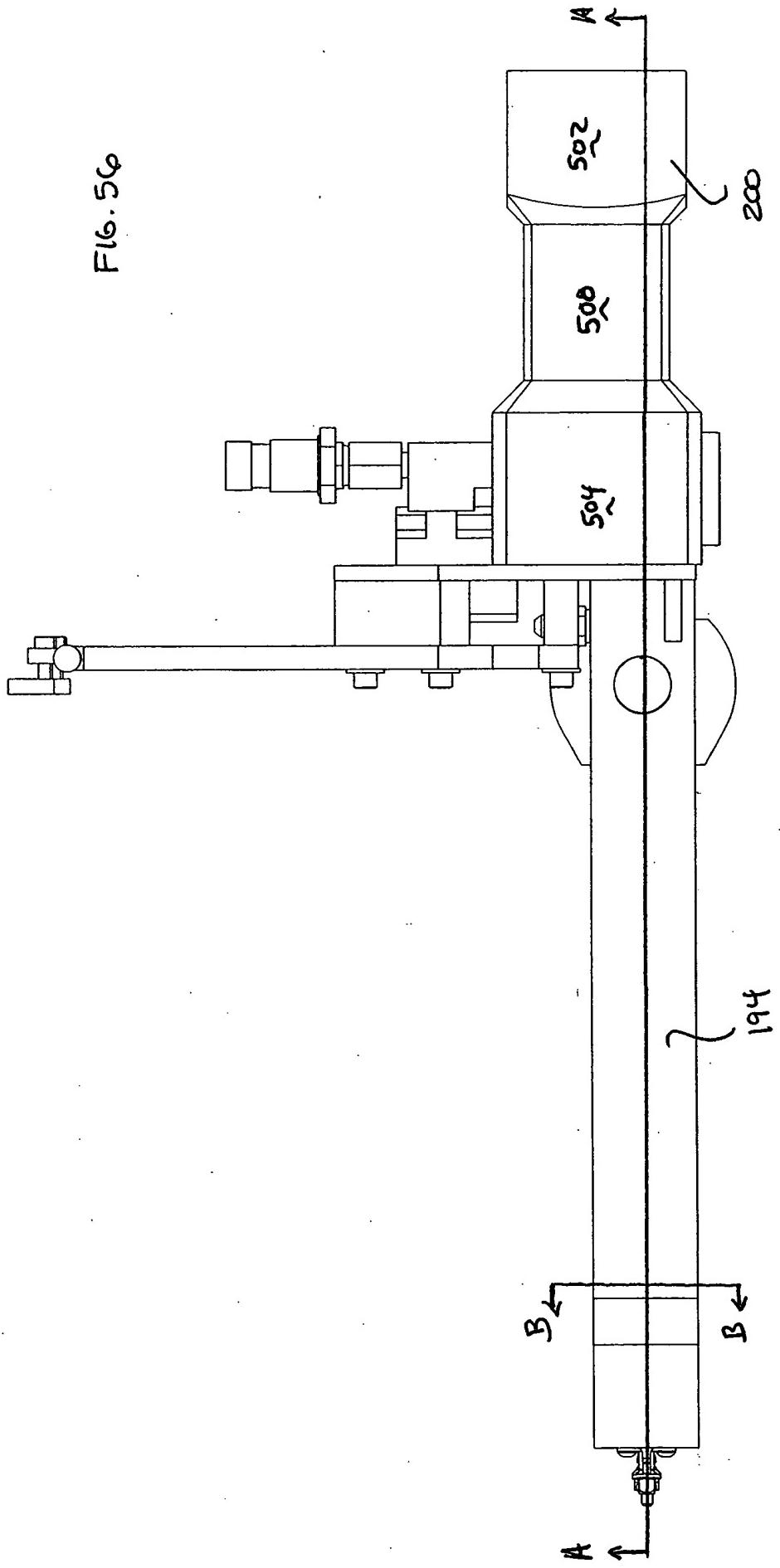
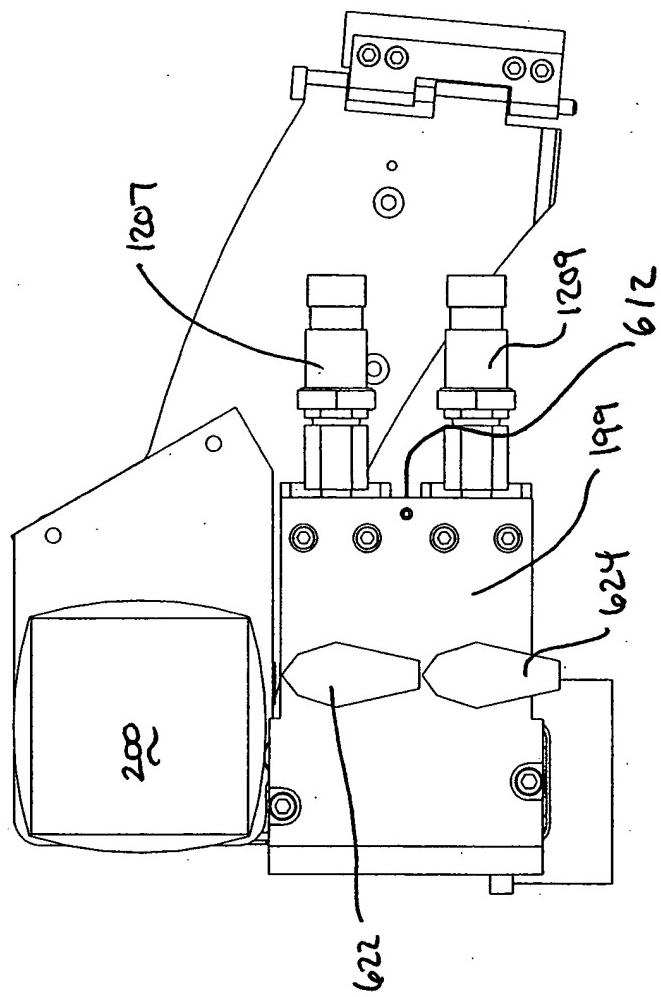


FIG. 5C



F16.57



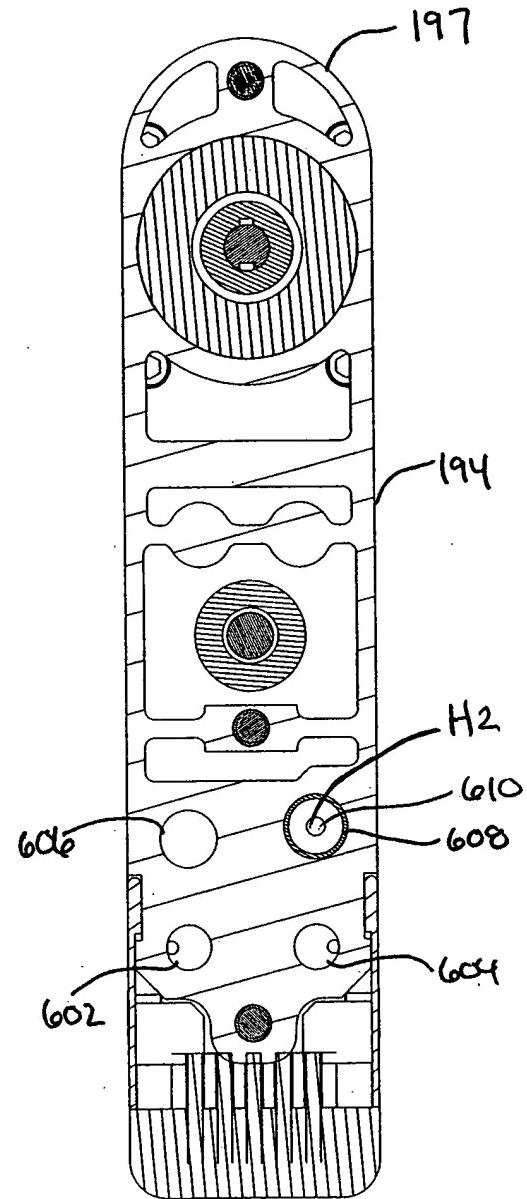
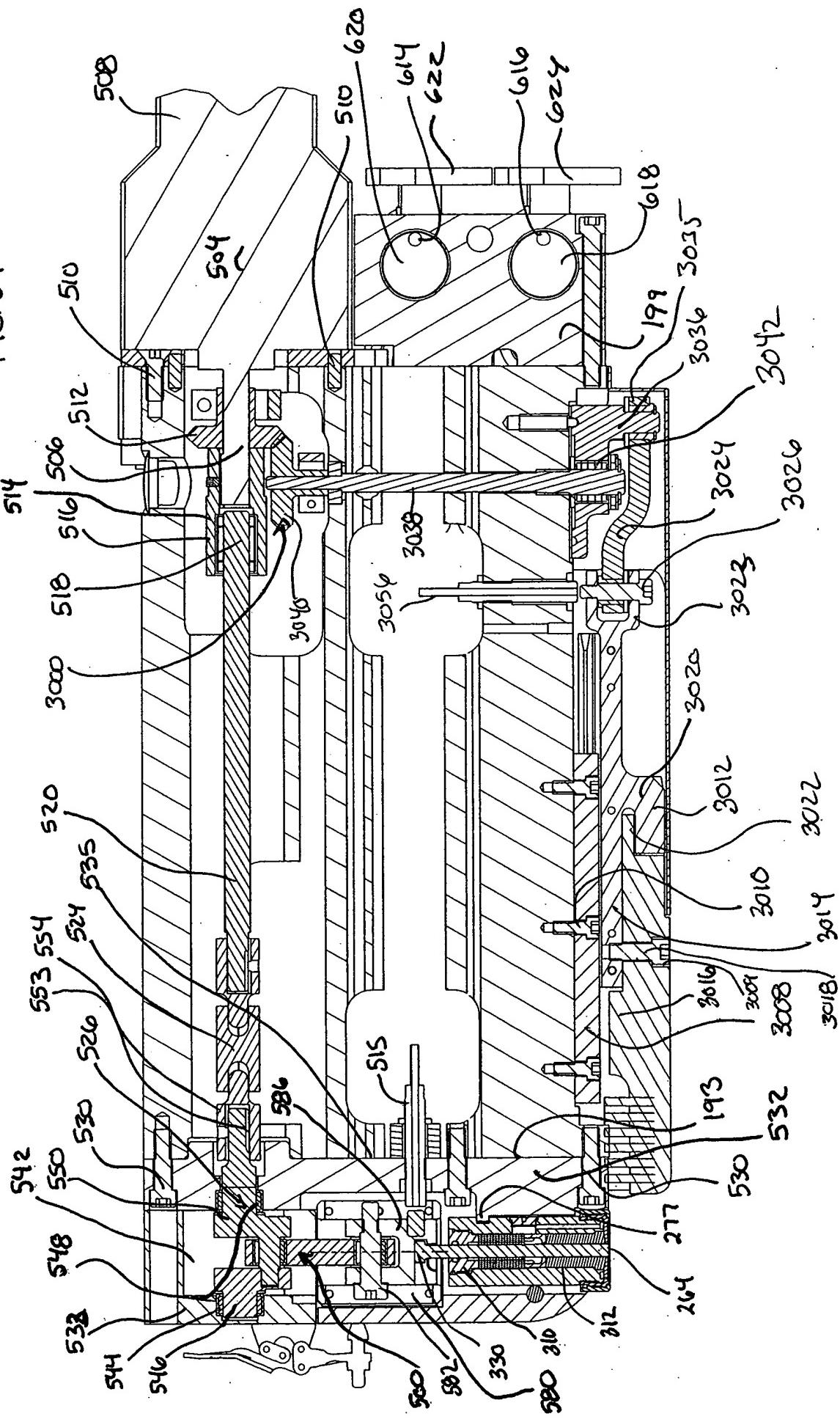


FIG. 58

FIG. 59



F16.60

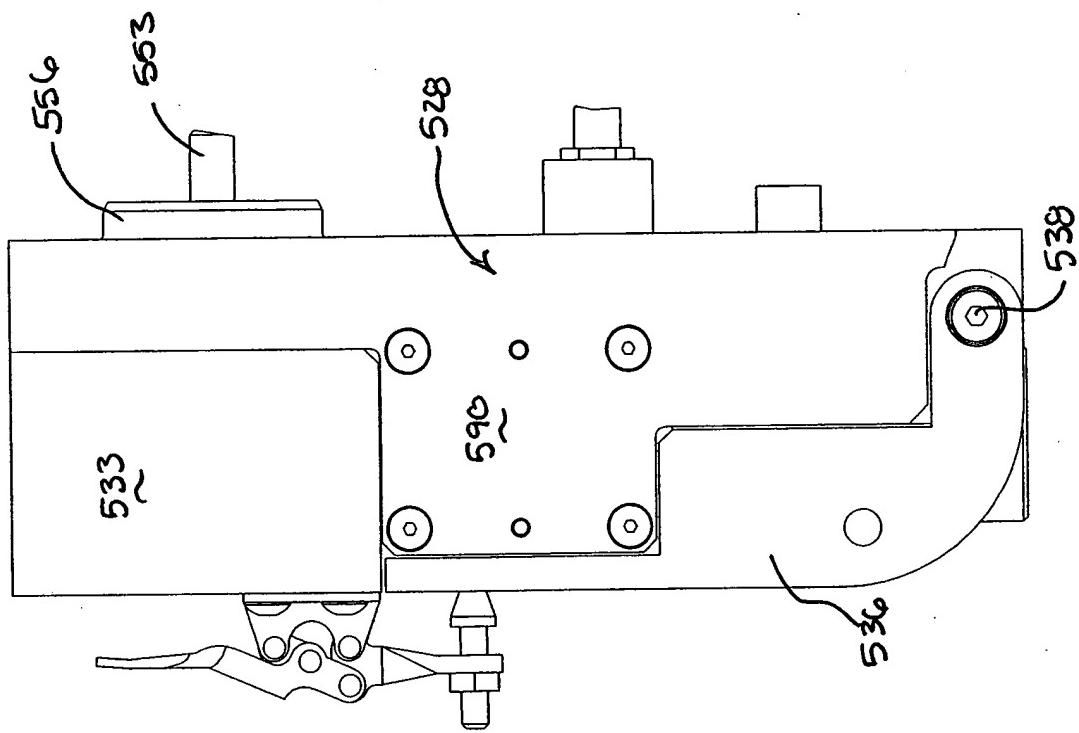


FIG. 61

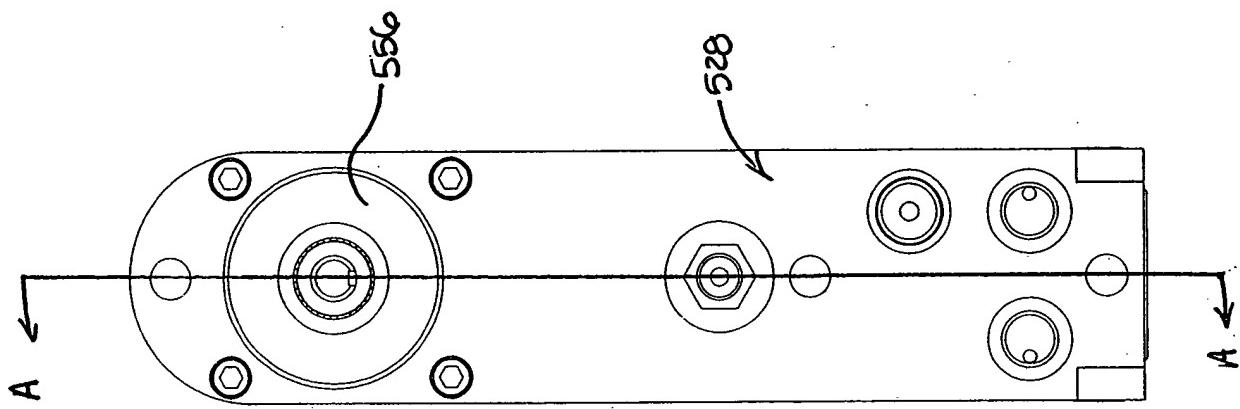


FIG. 62

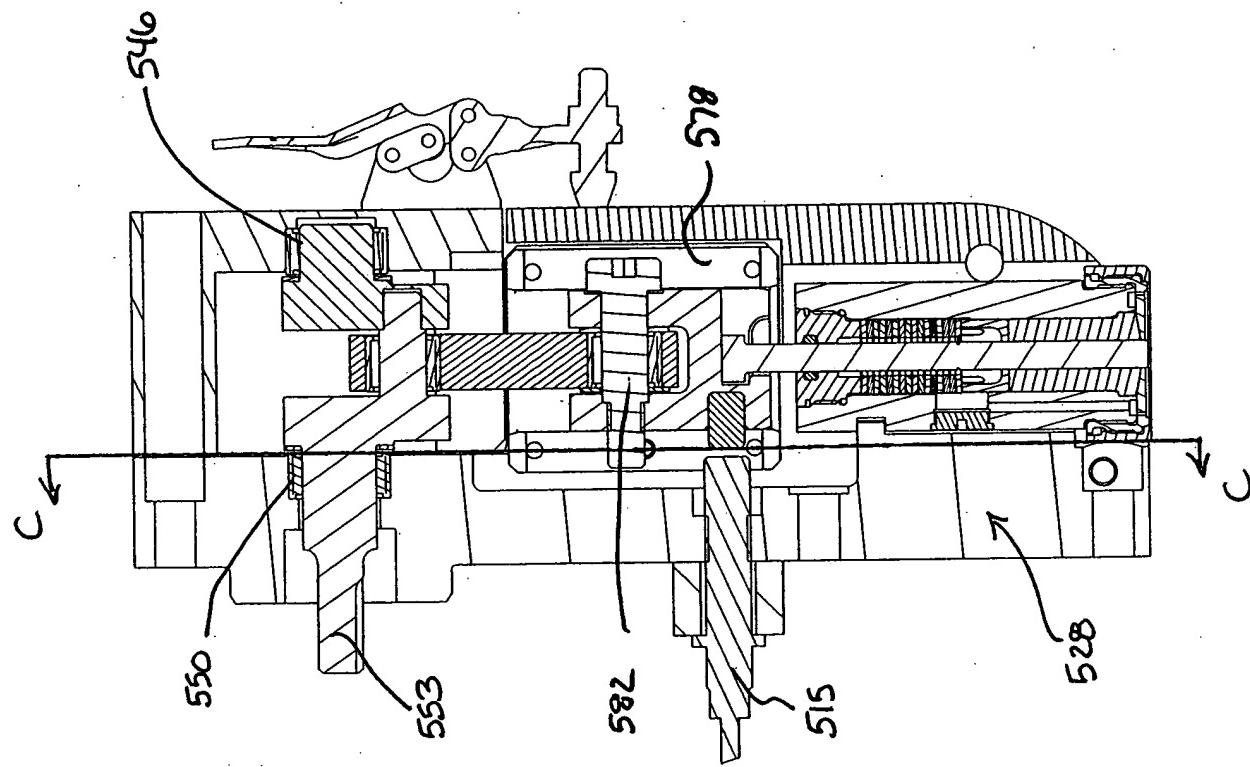
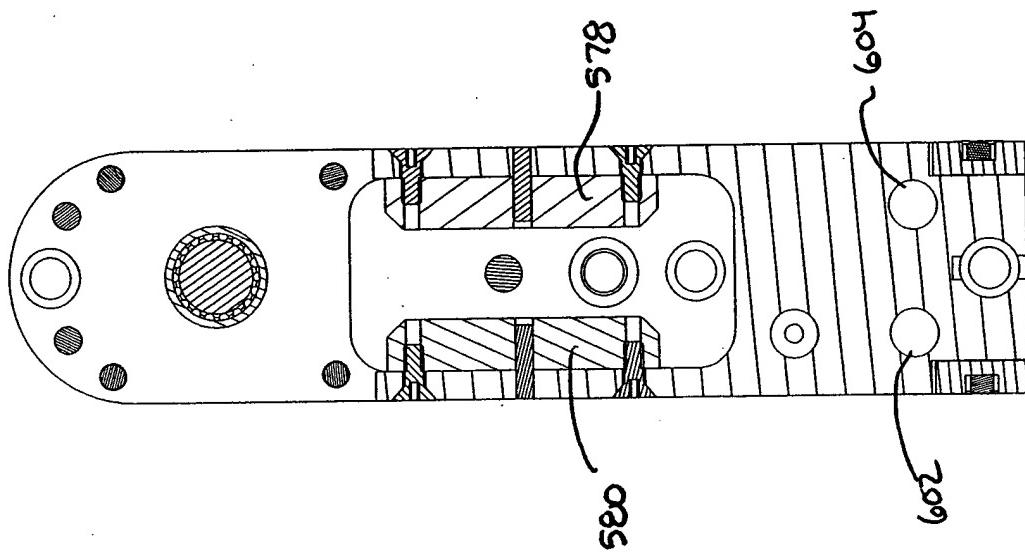


FIG. 63



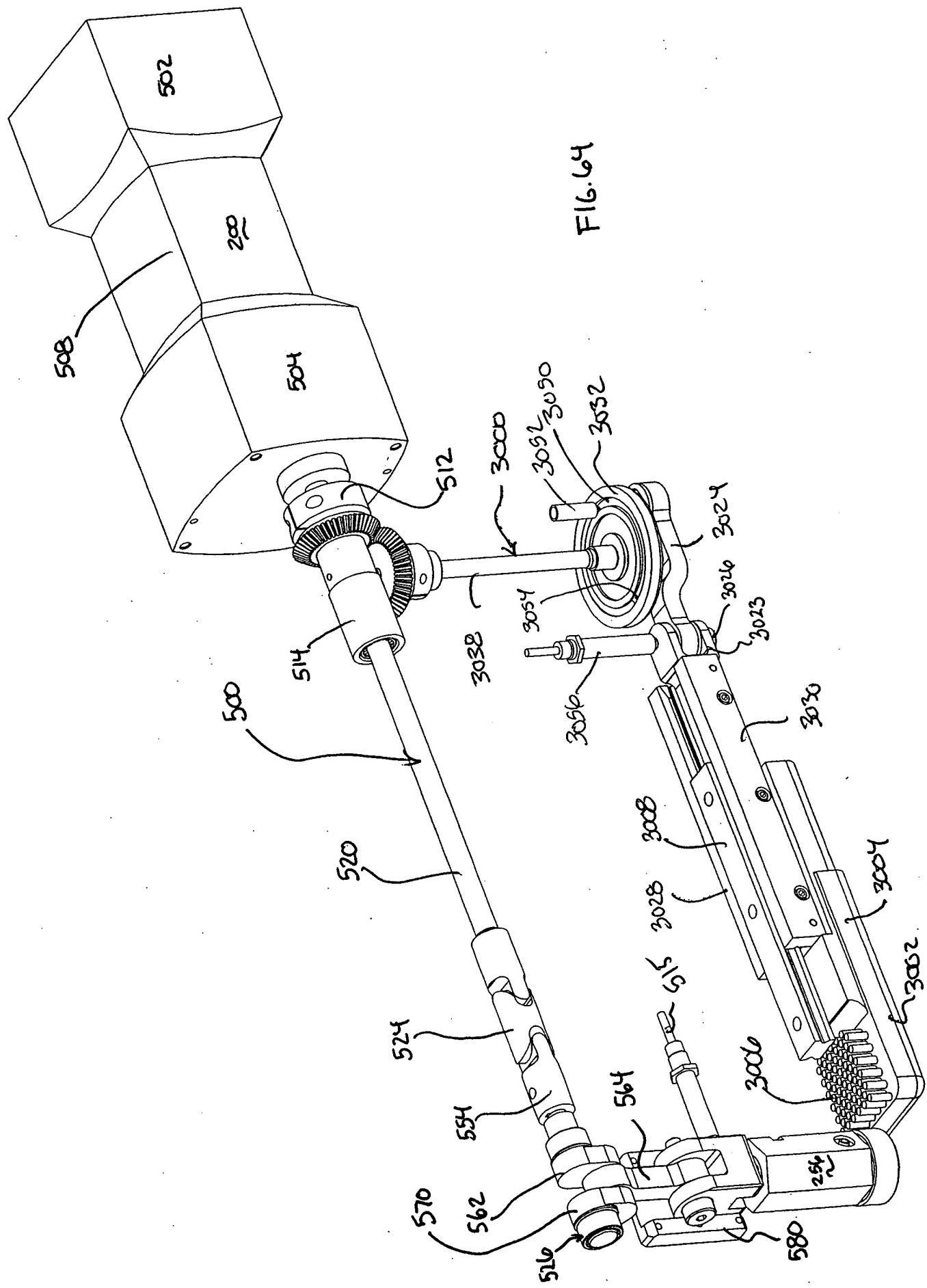
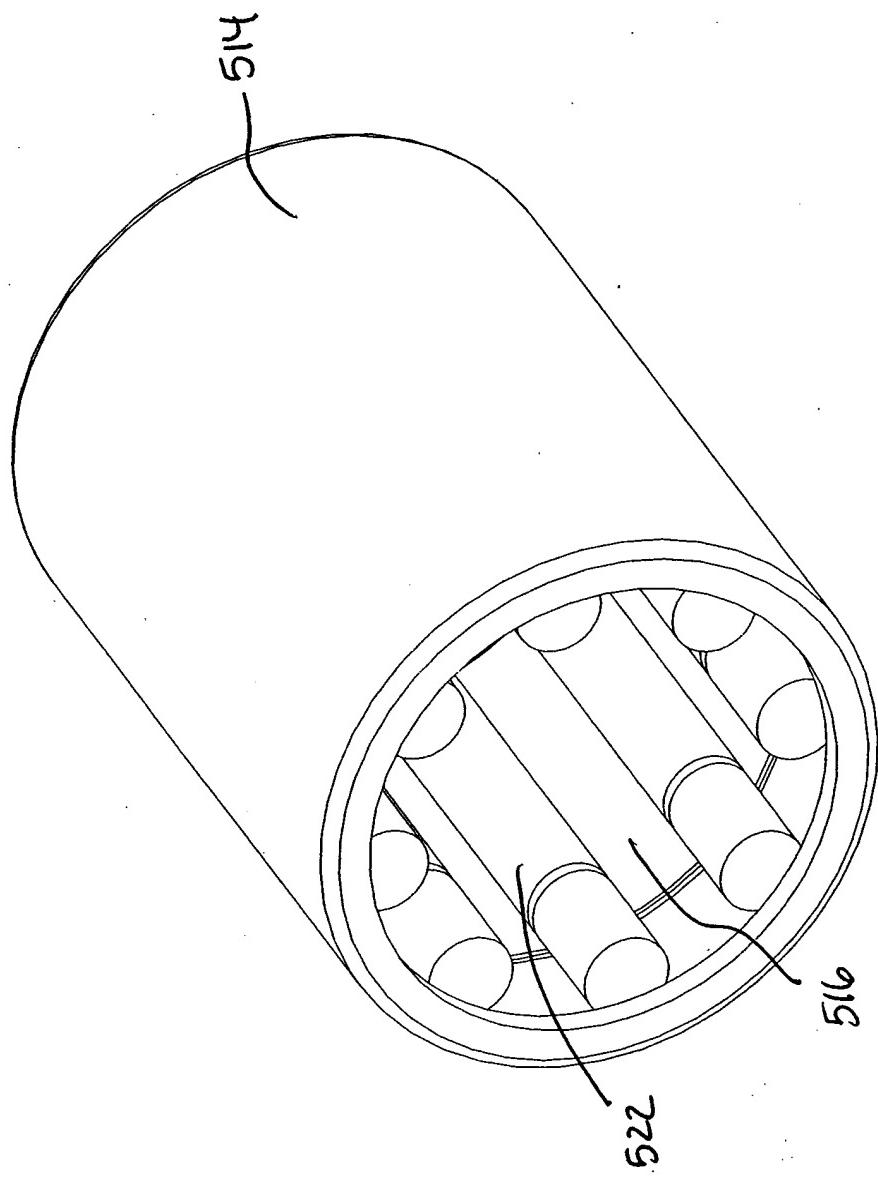


Fig. 65



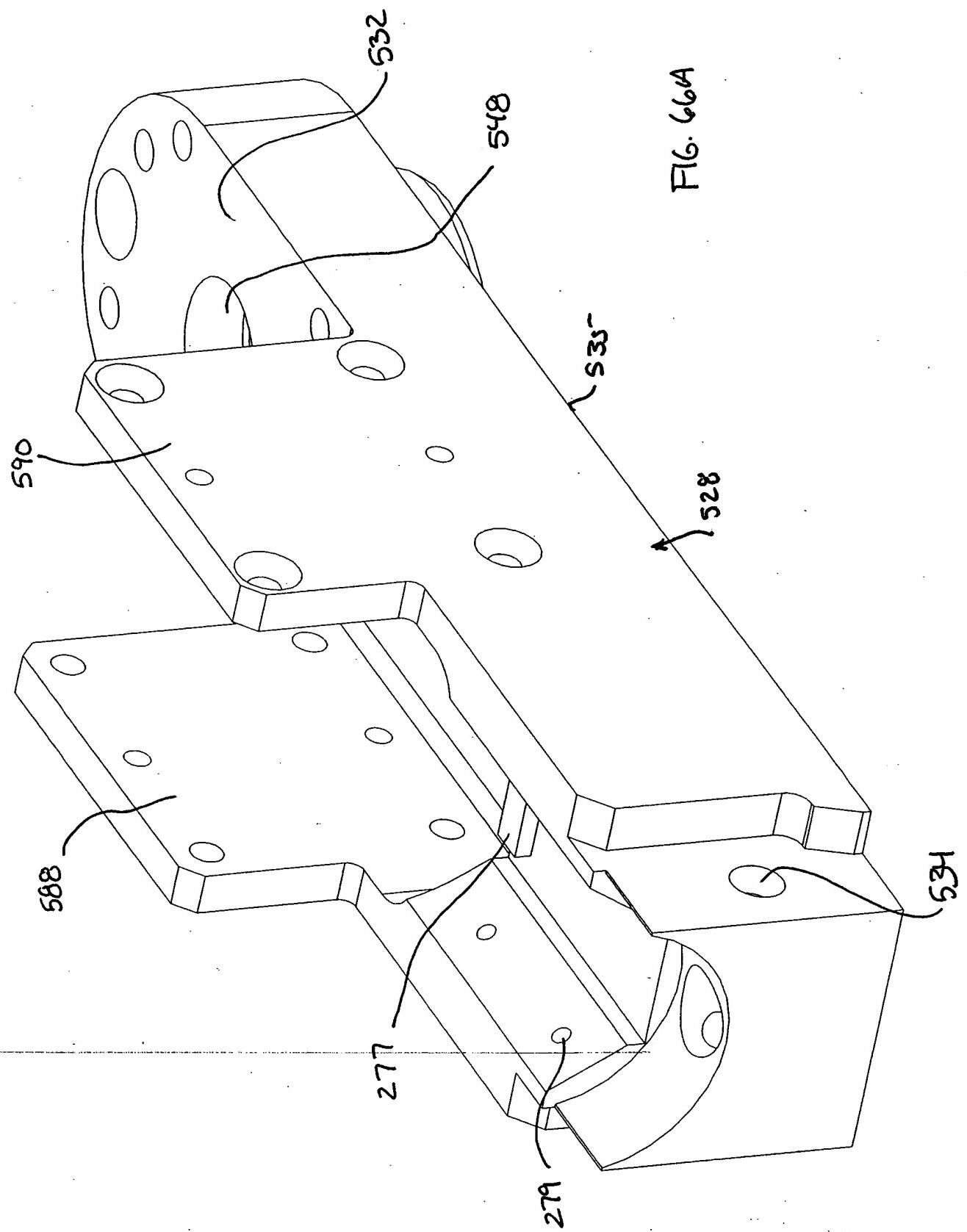
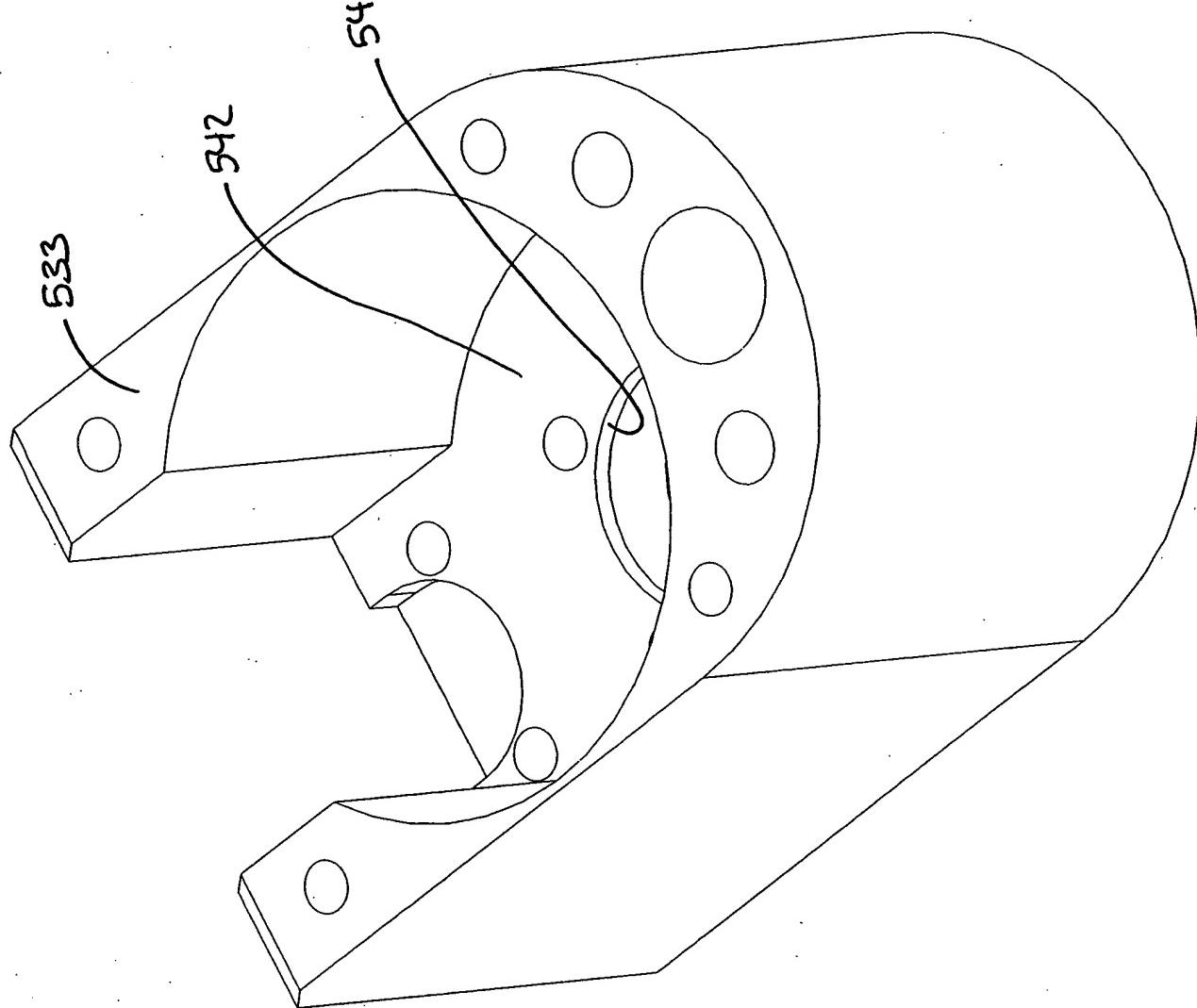


FIG. 66A

FIG. 663



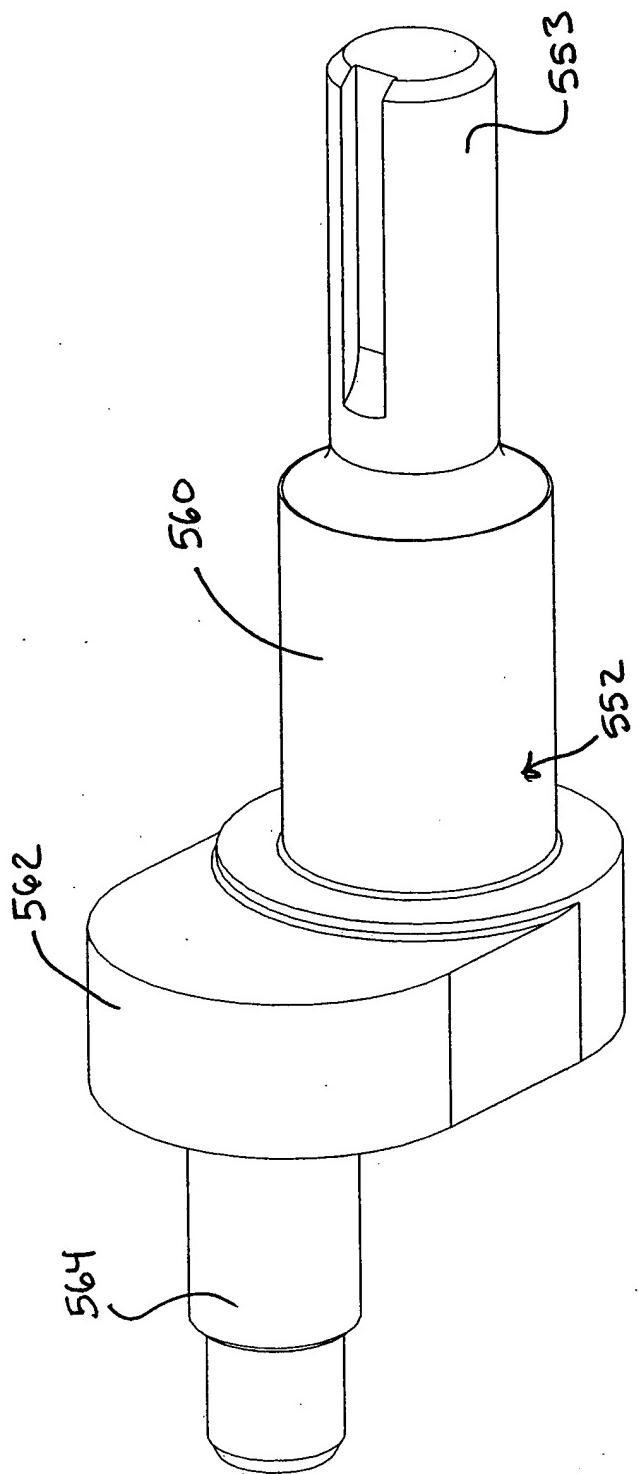


Fig. 67

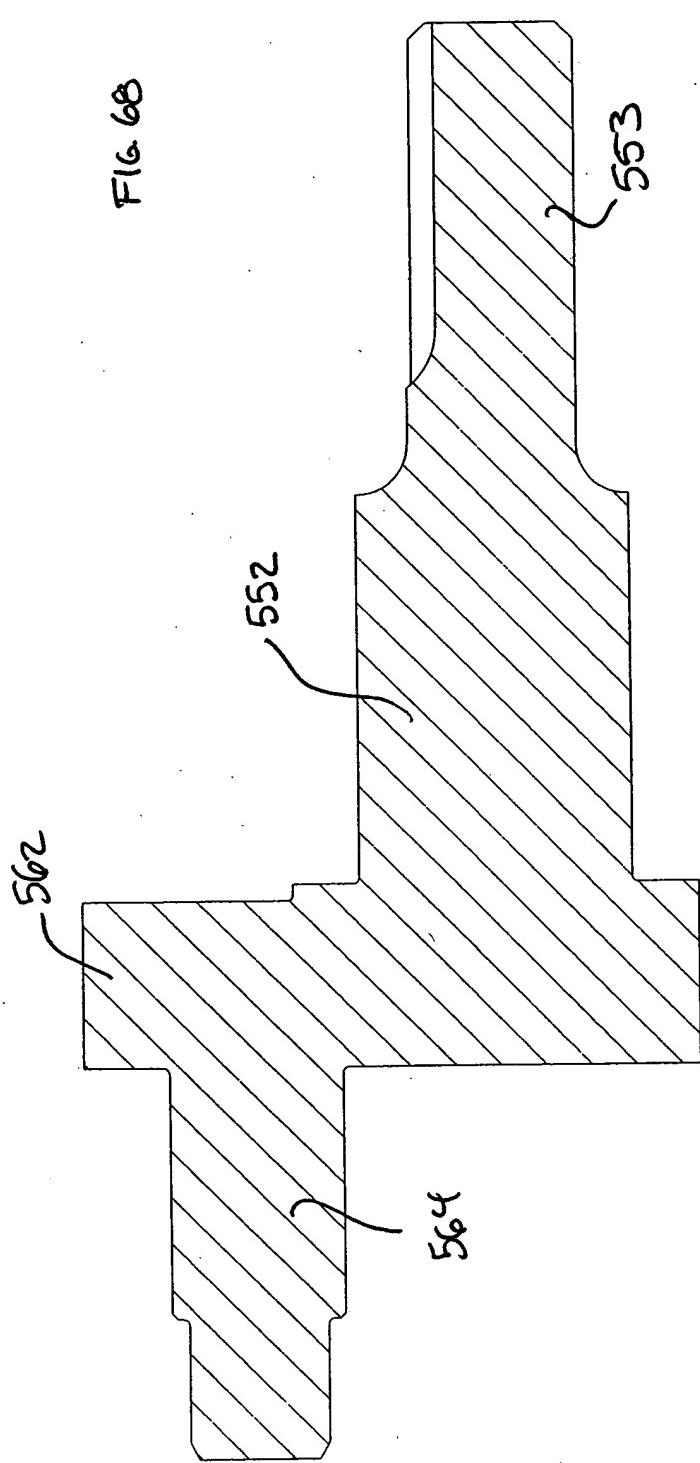
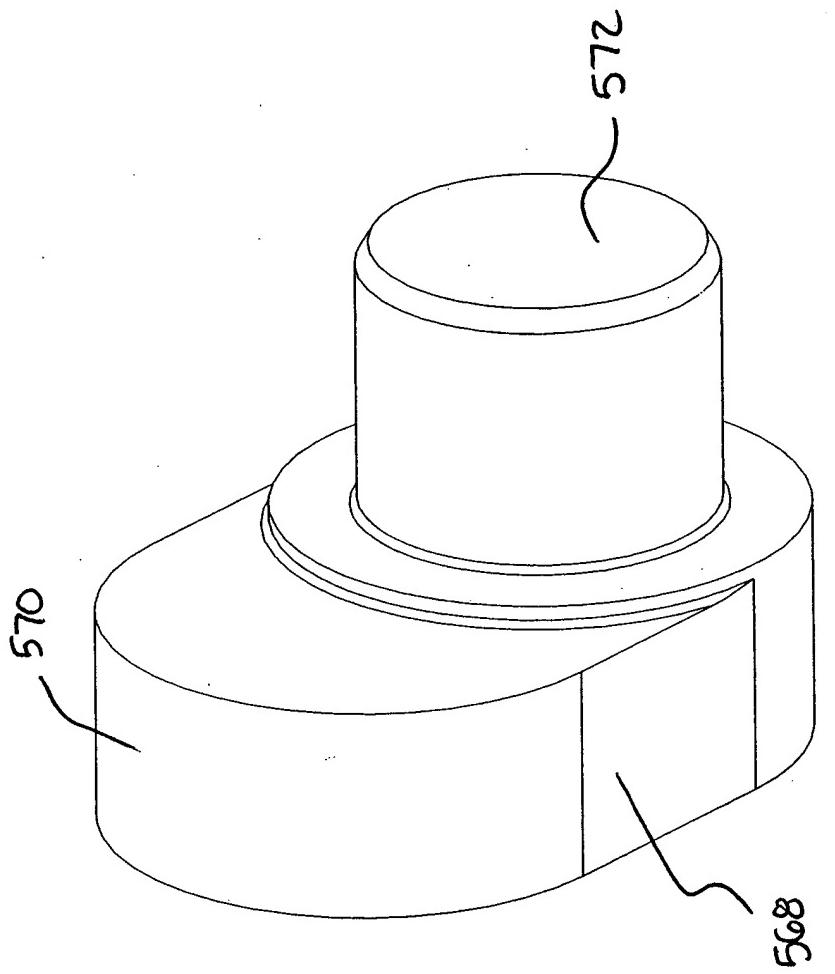


FIG 68



F16. 69

FIG. 70

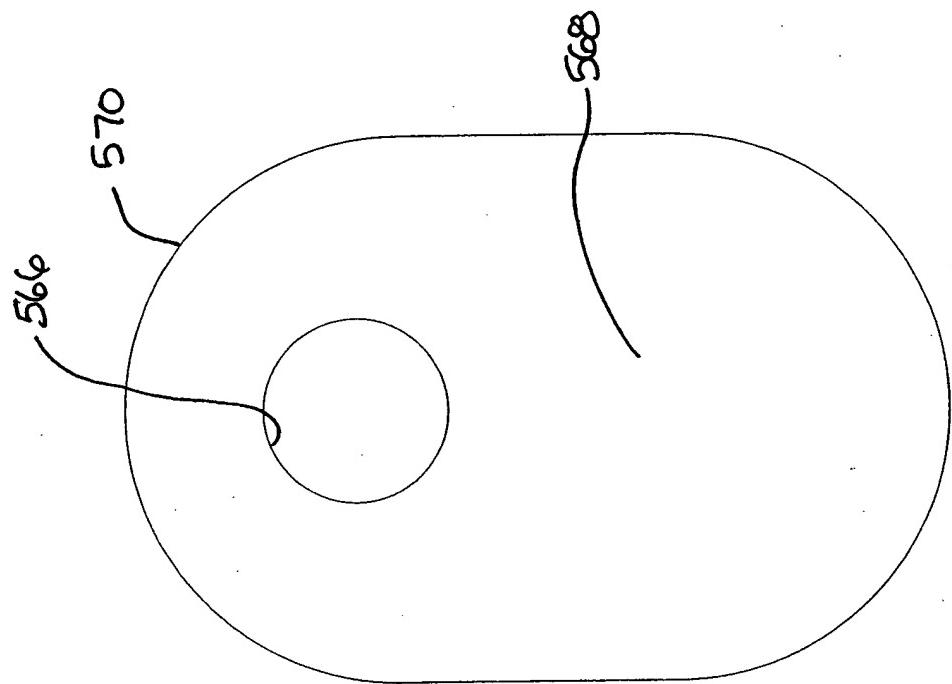


FIG. 71

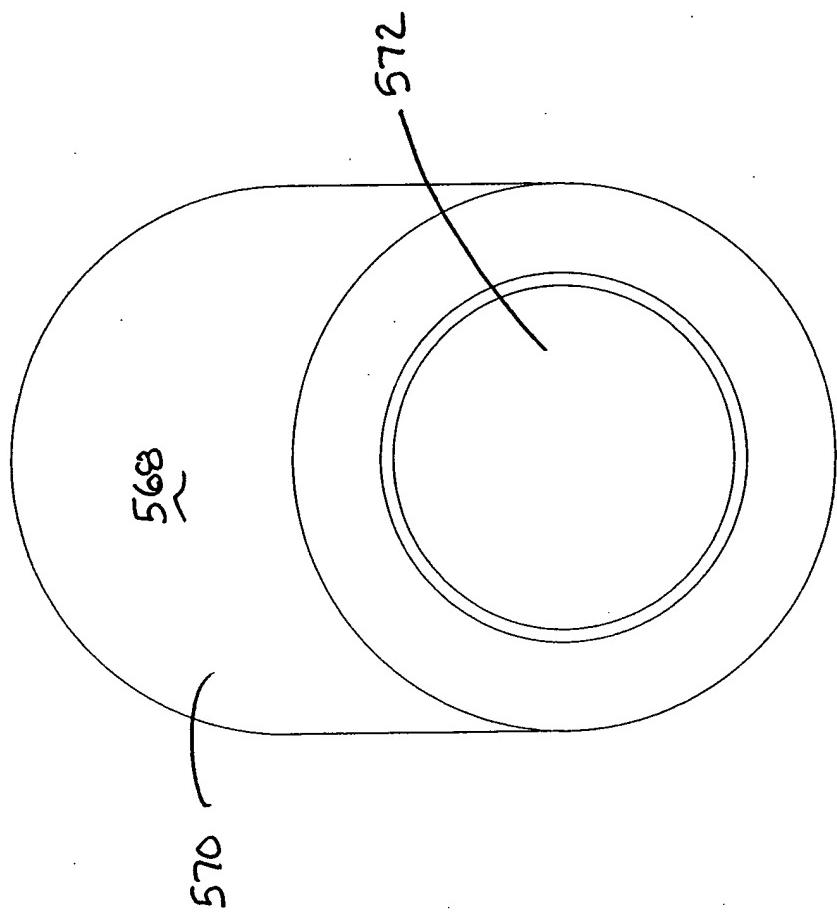


FIG. 72

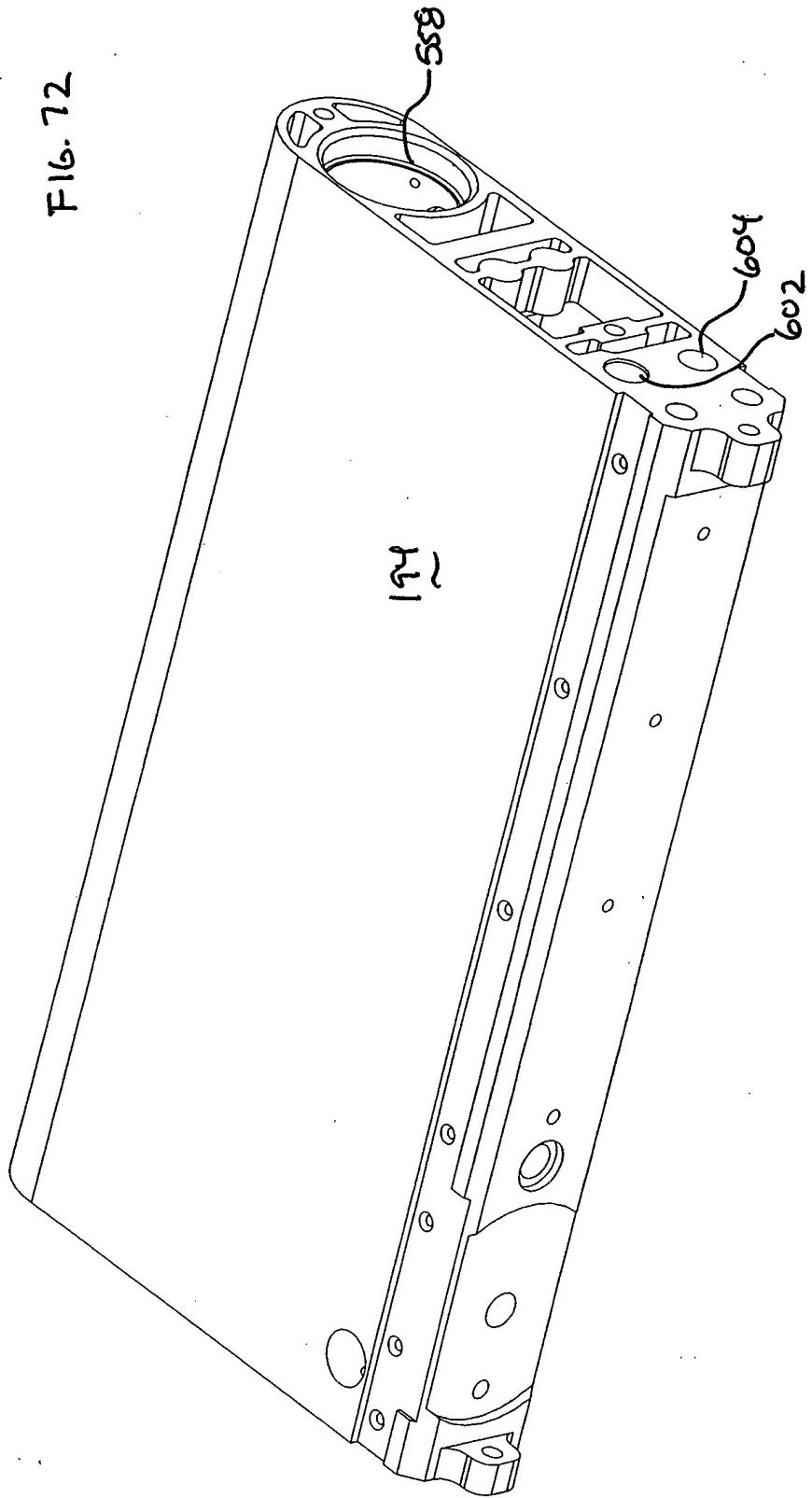


FIG. 72A

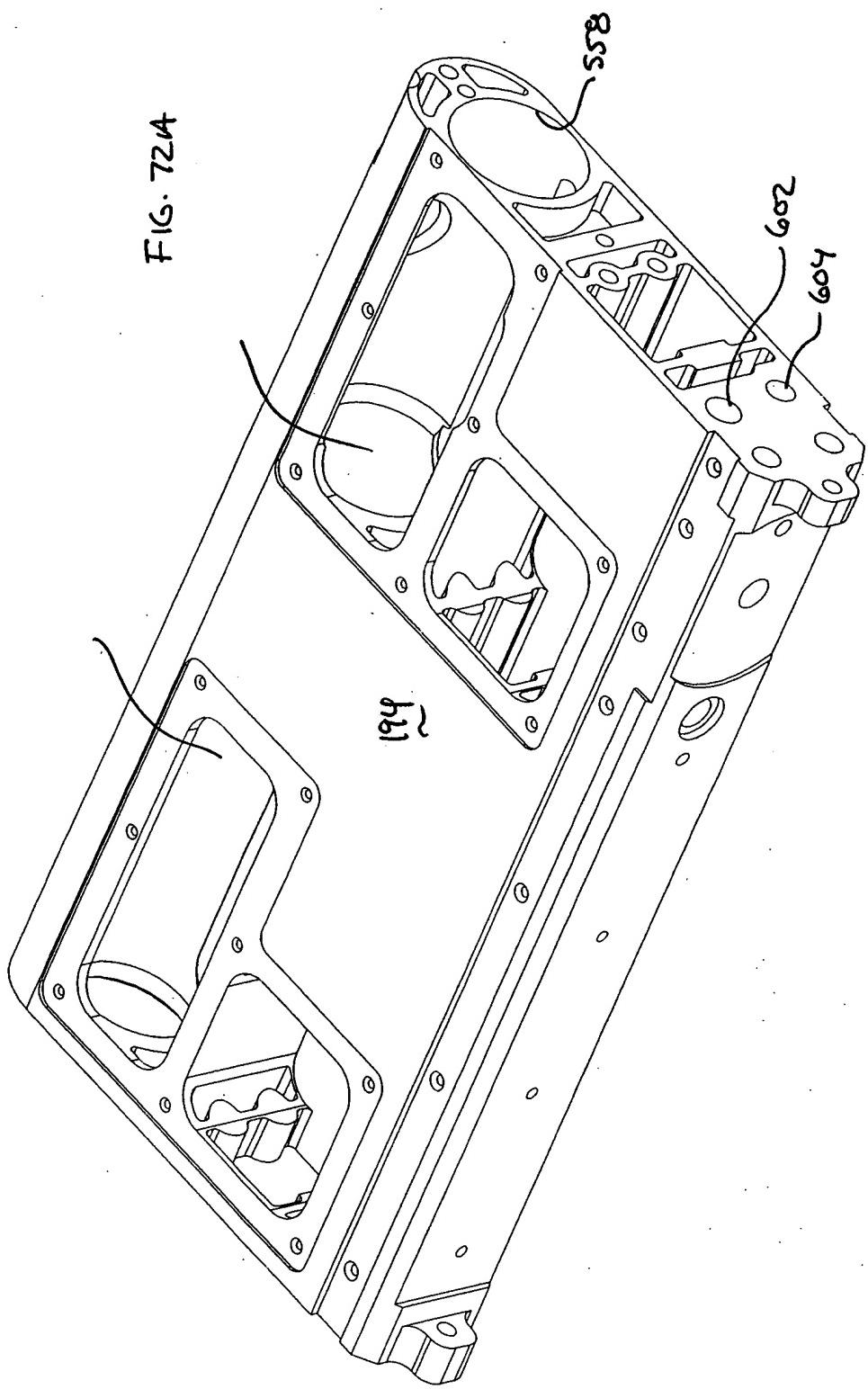


FIG. 73

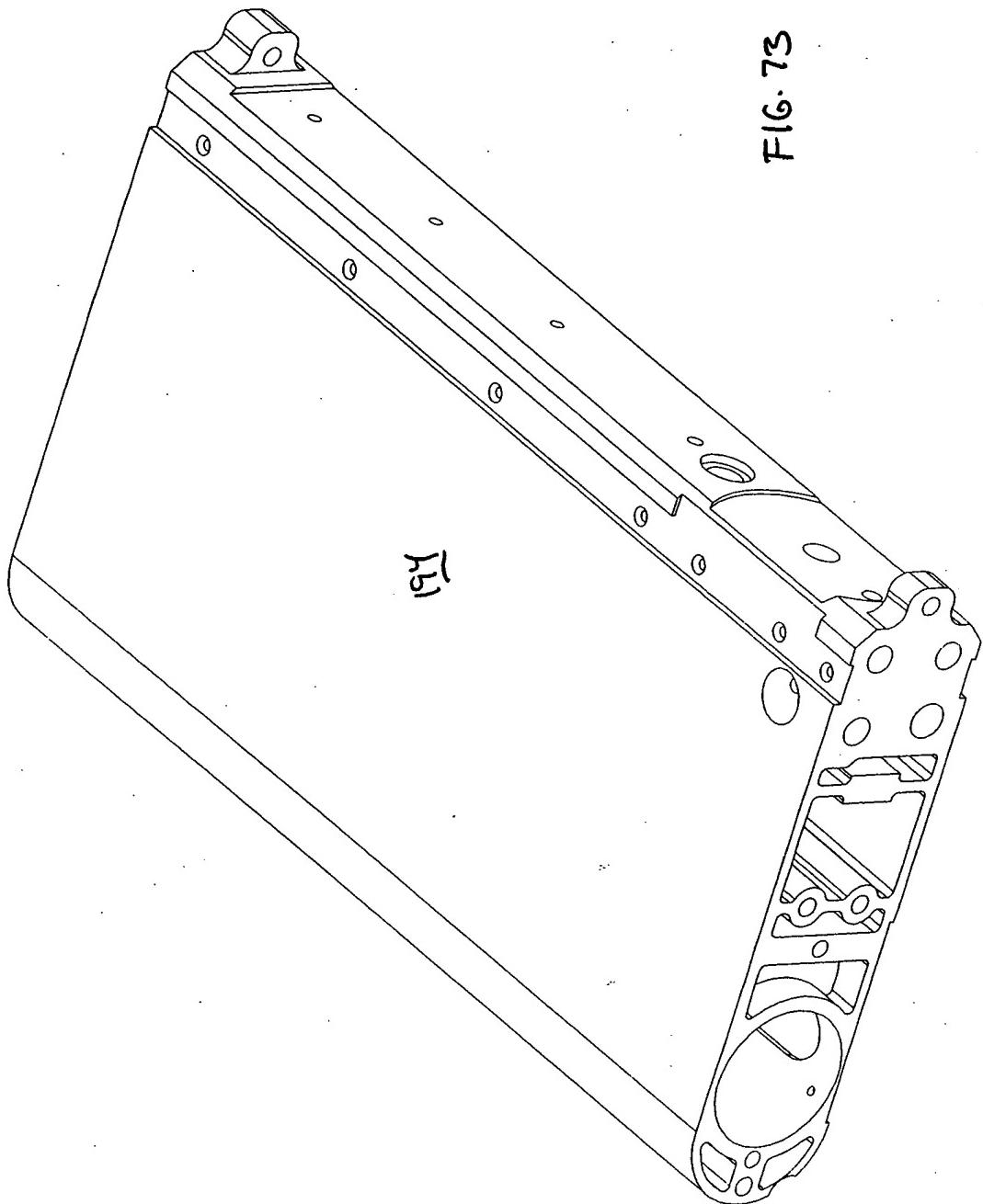
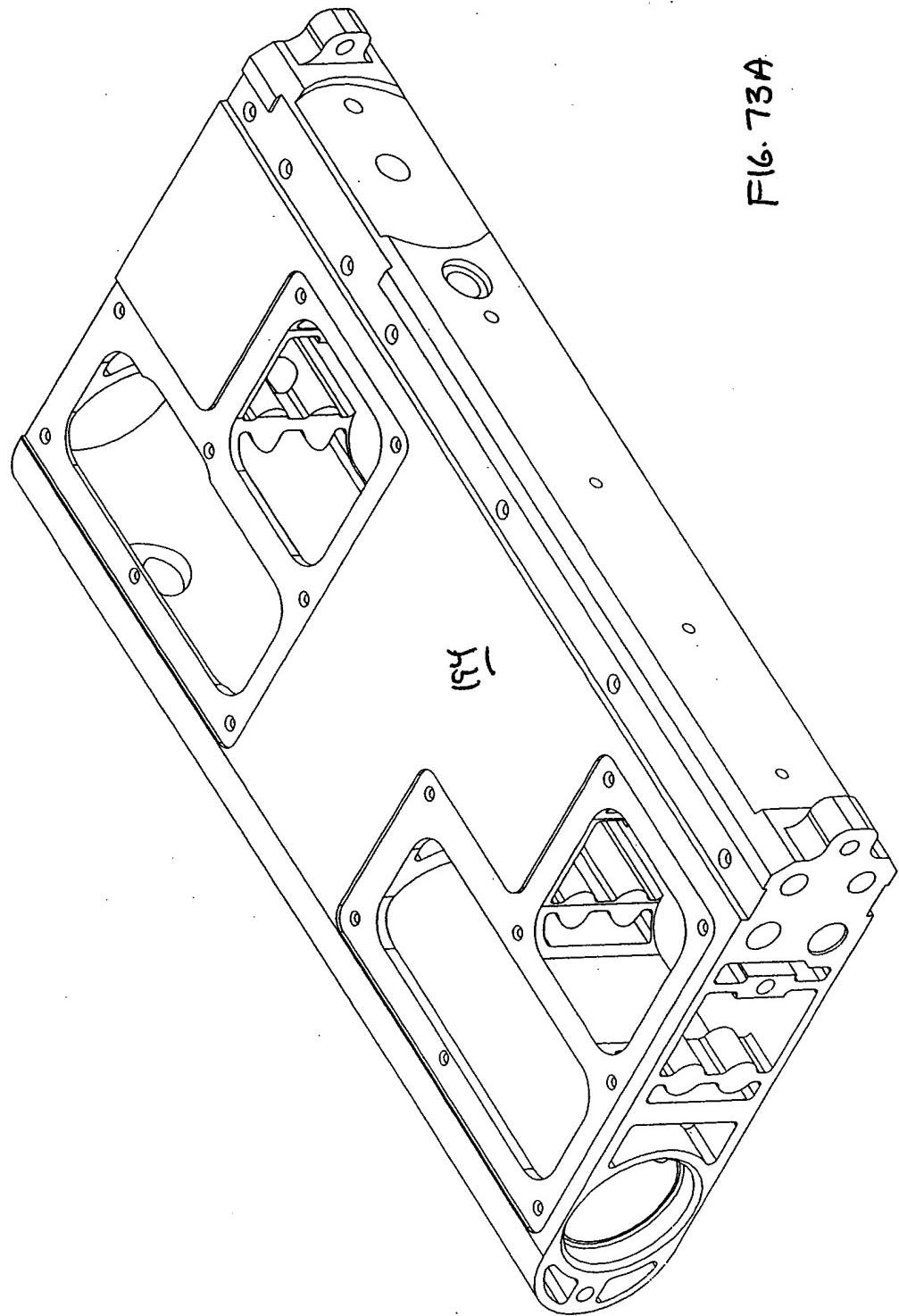


FIG. 73A



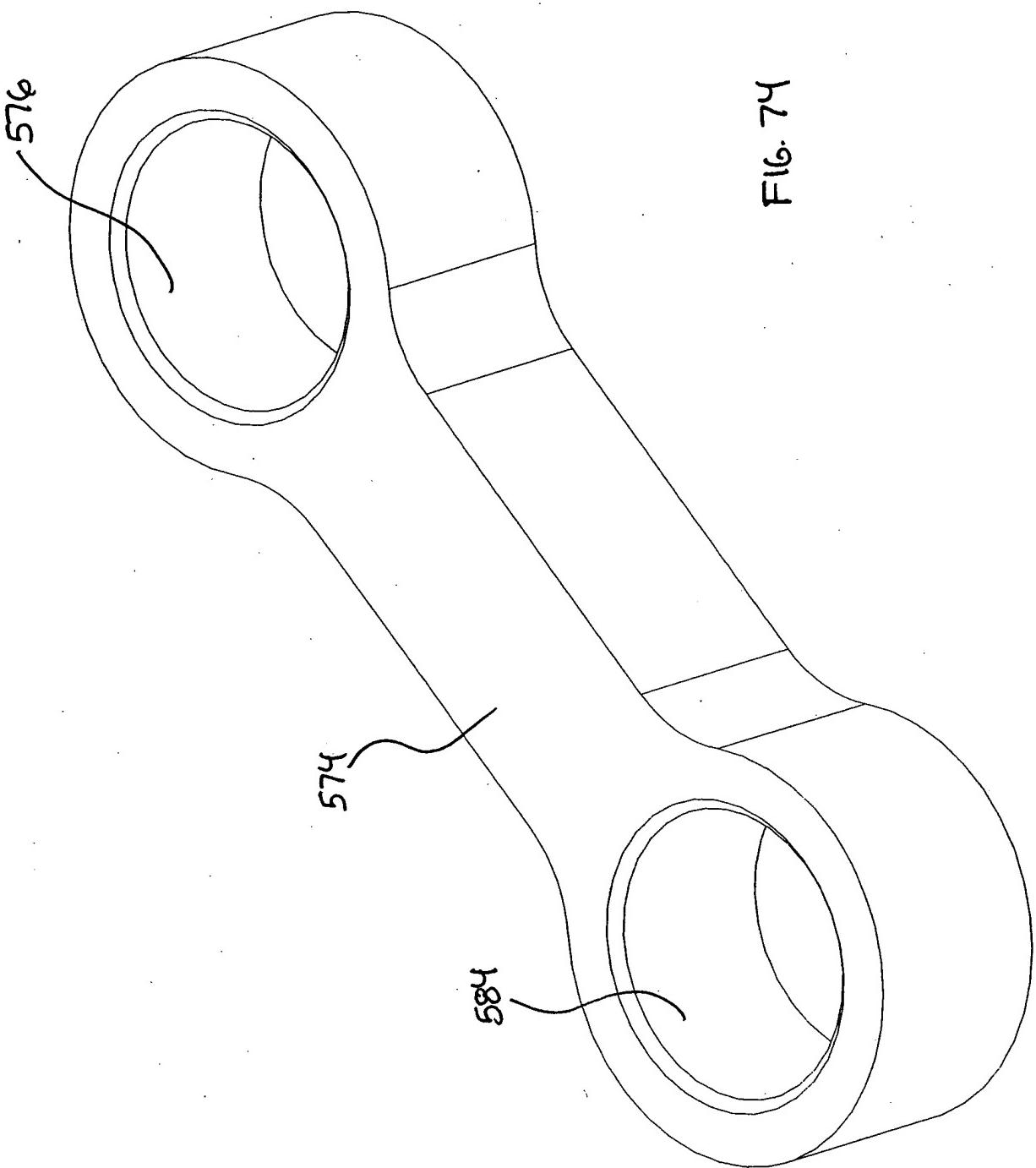
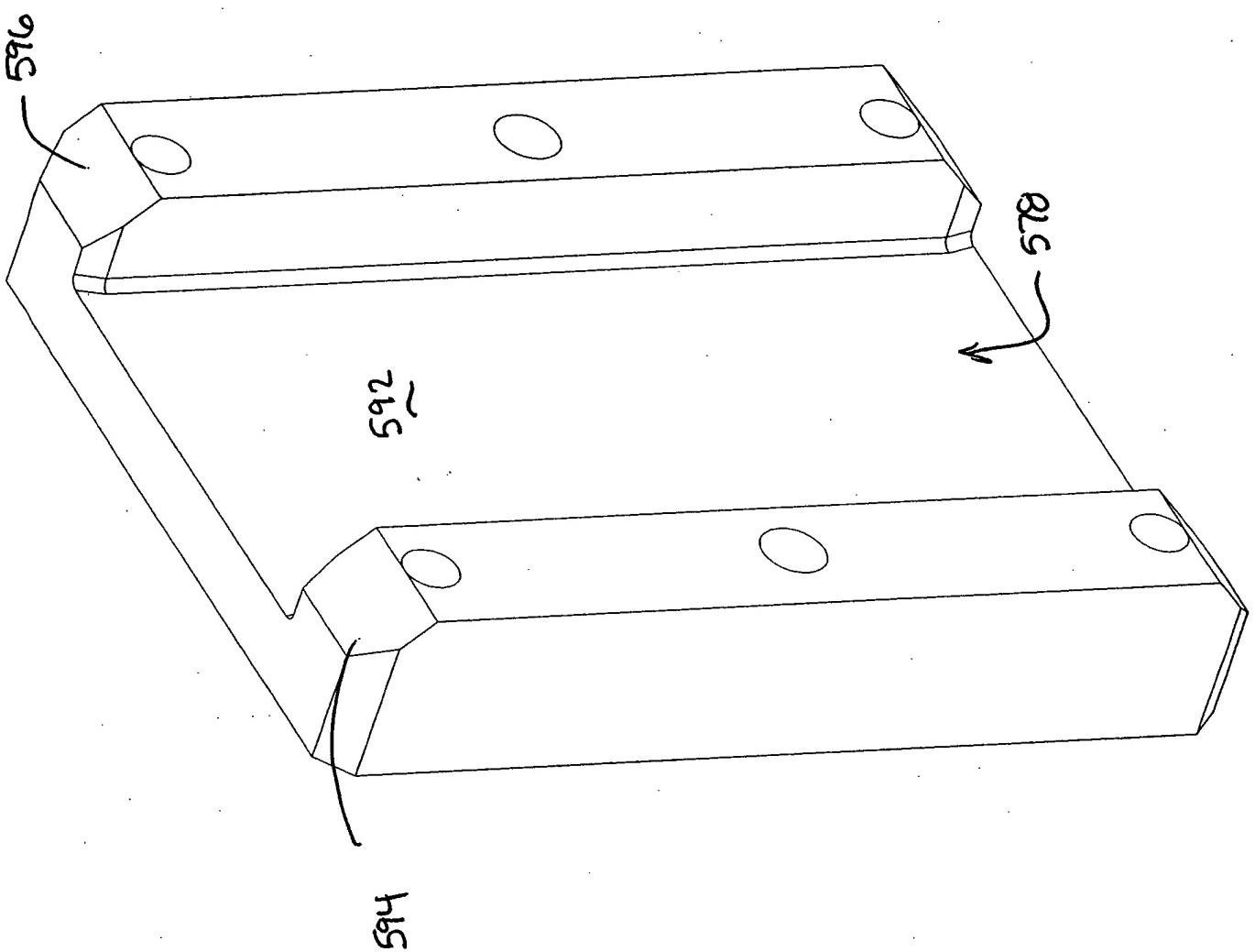


Fig. 74

Fig 75



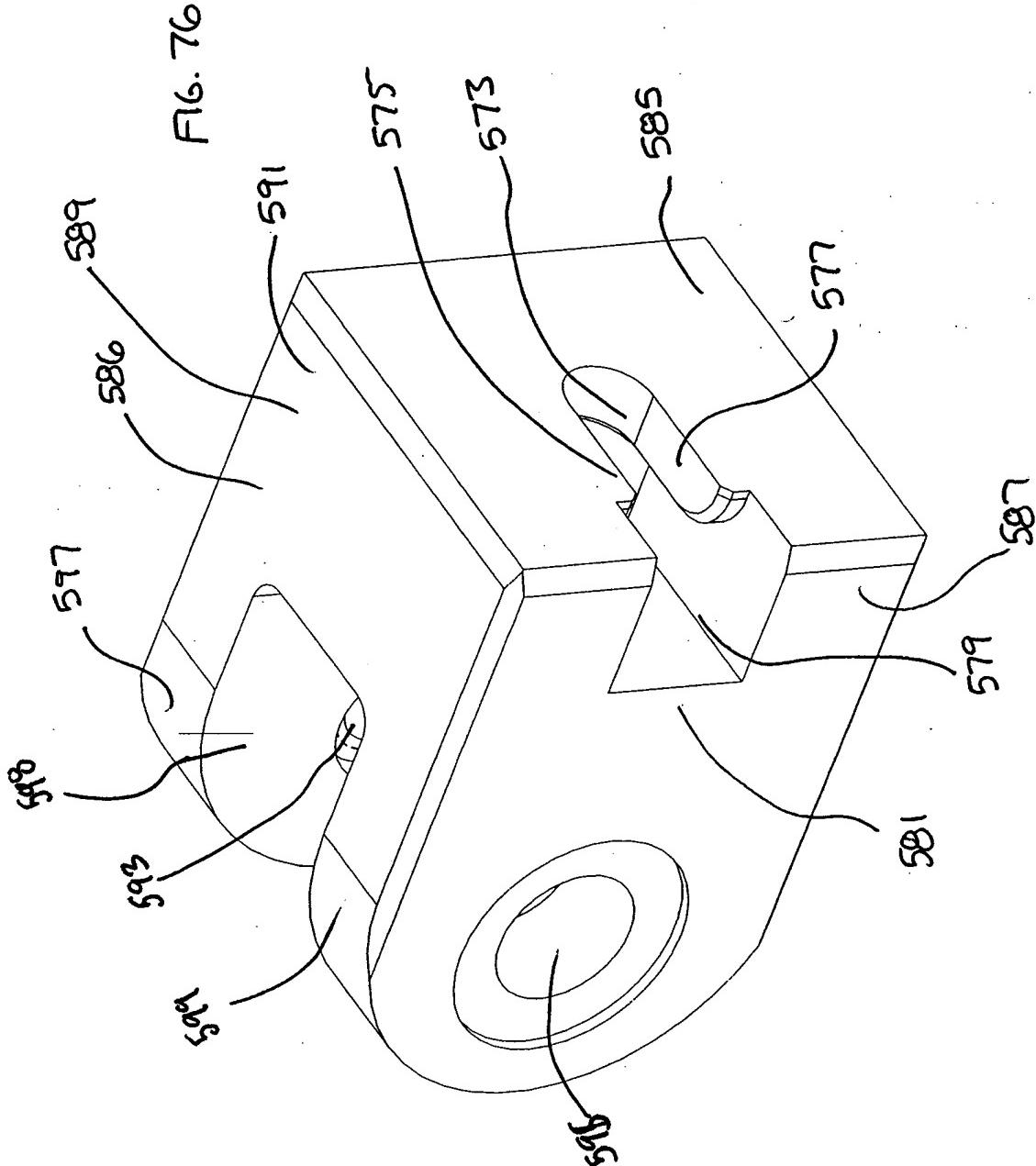
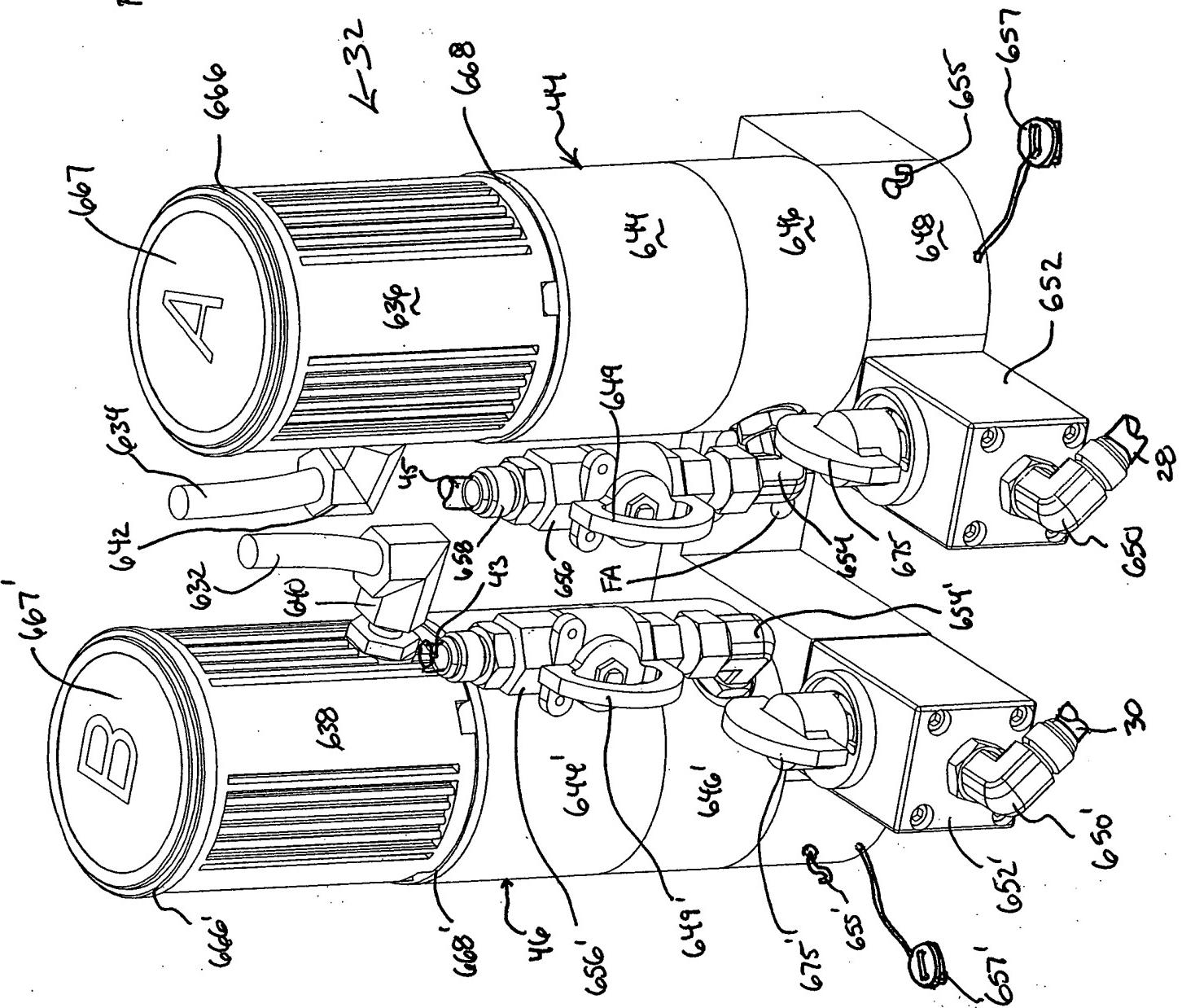


Fig. 77



F16.77A

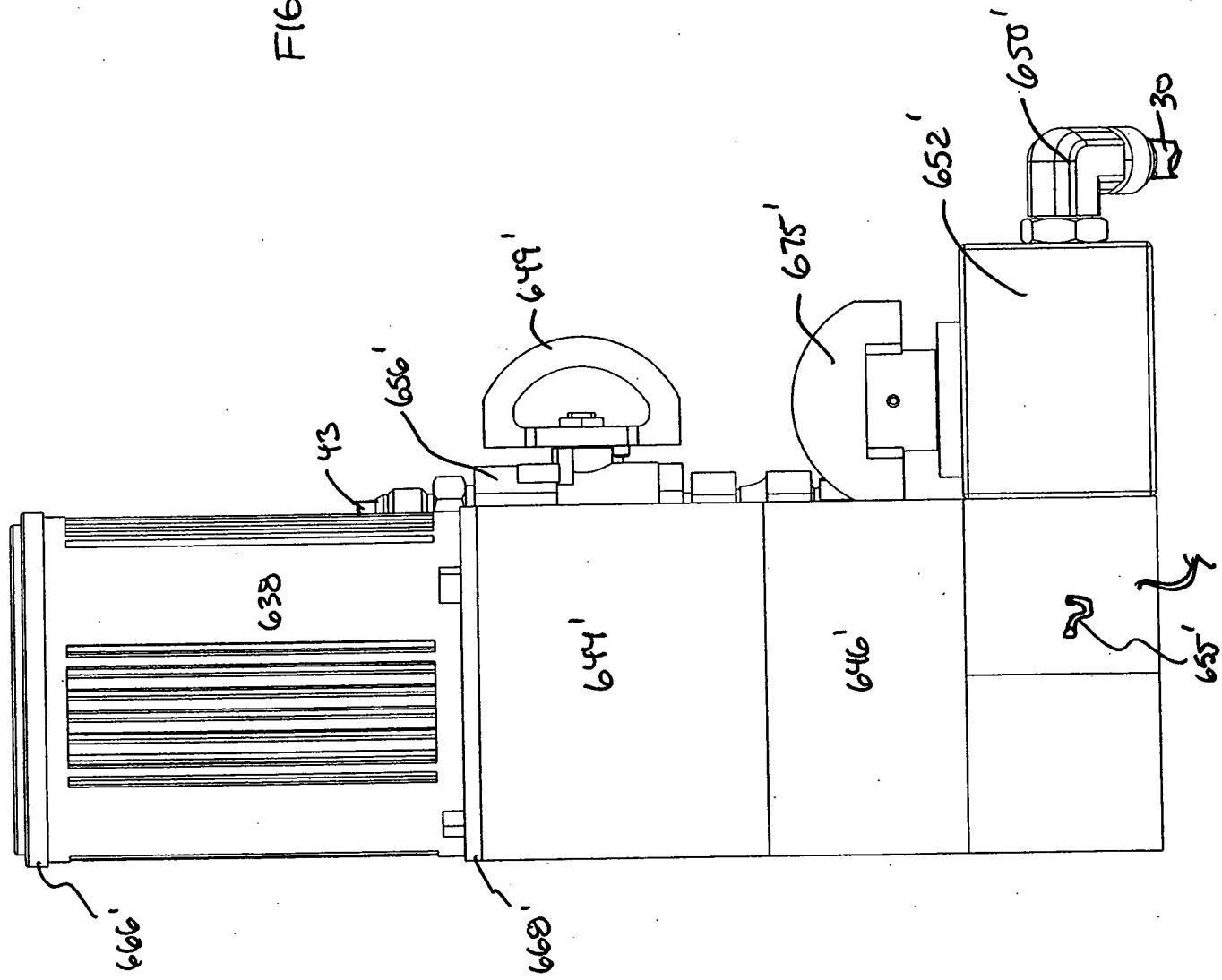


FIG. 78

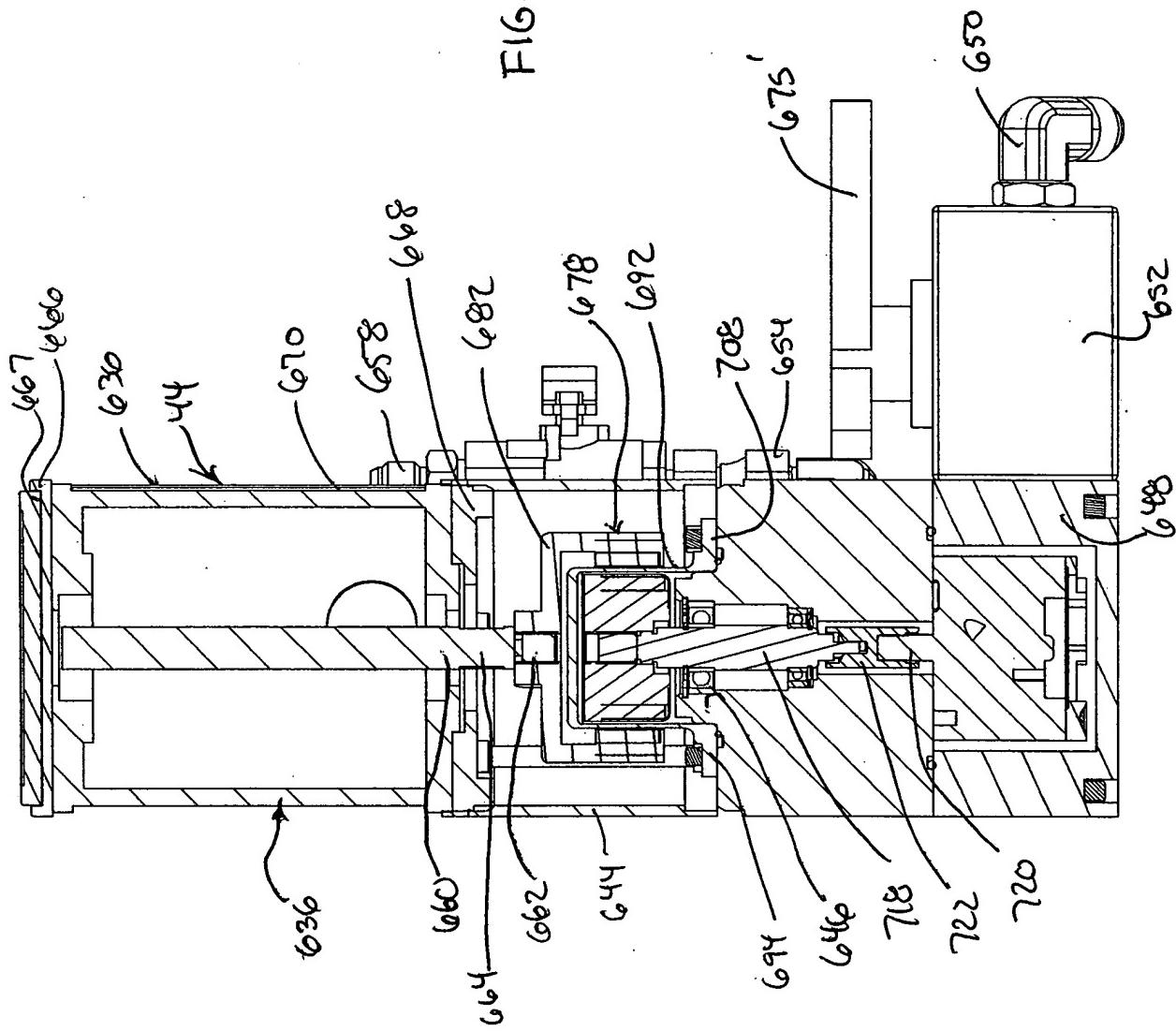


FIG. 79

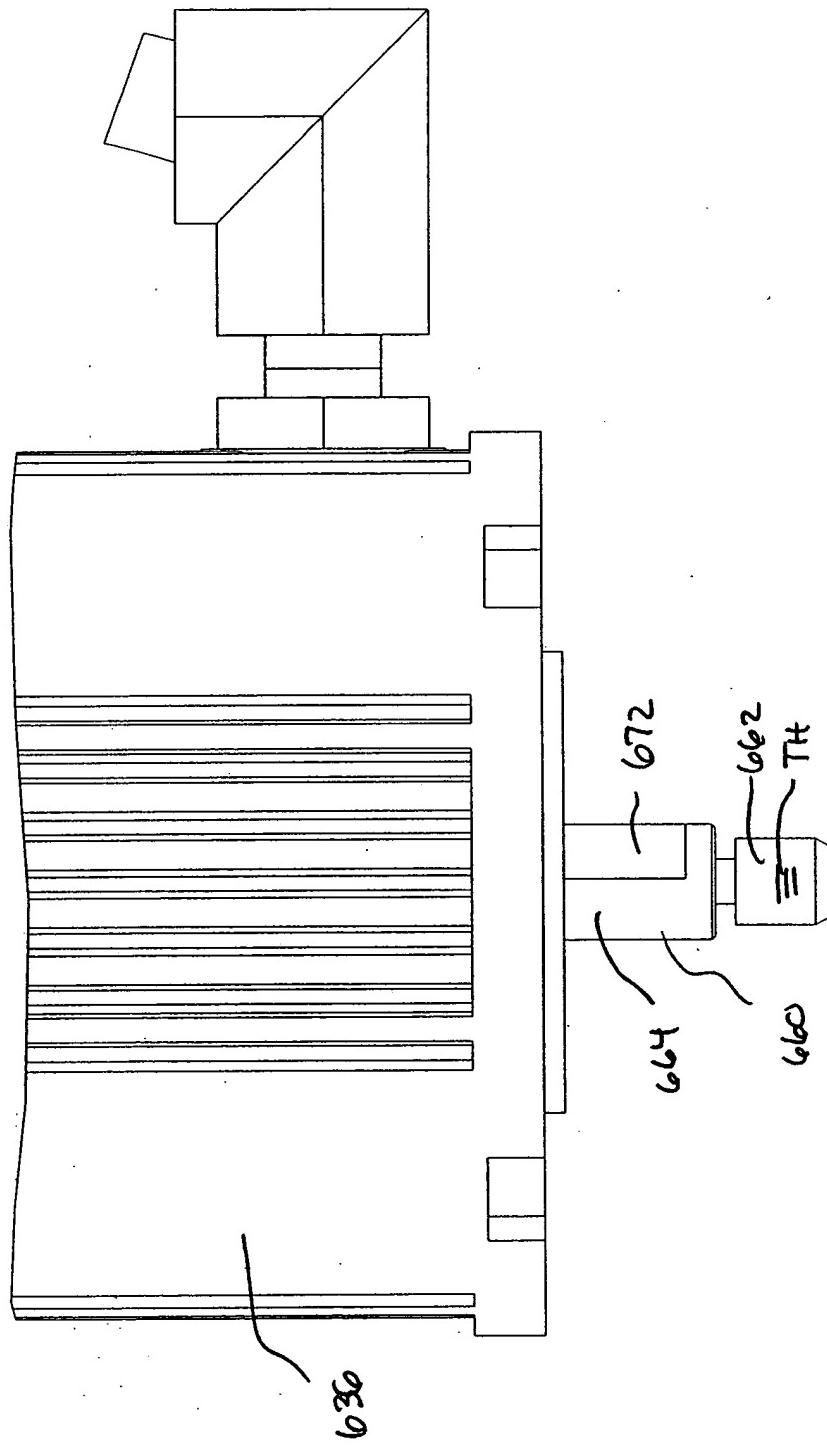
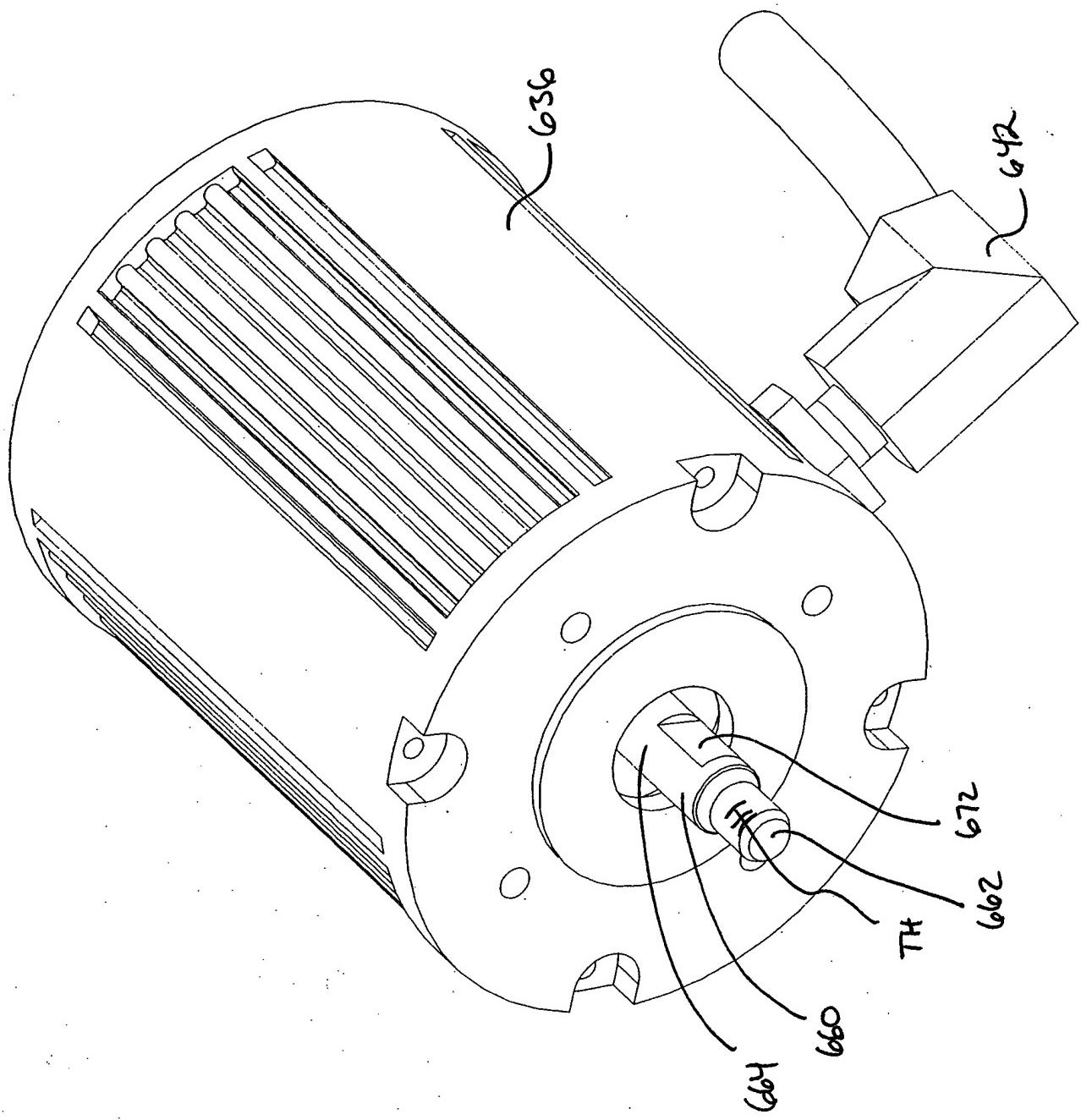


Fig. 80



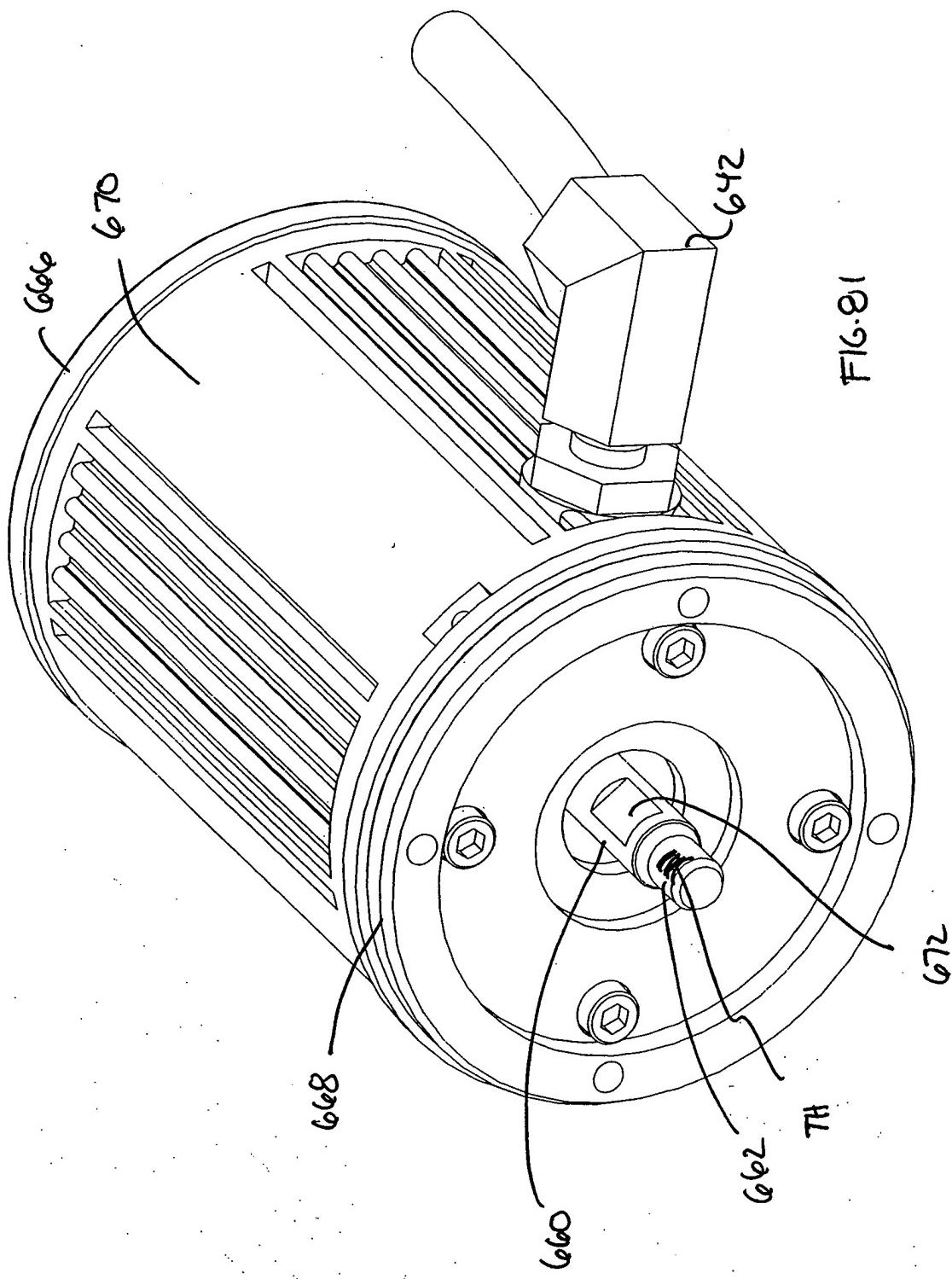
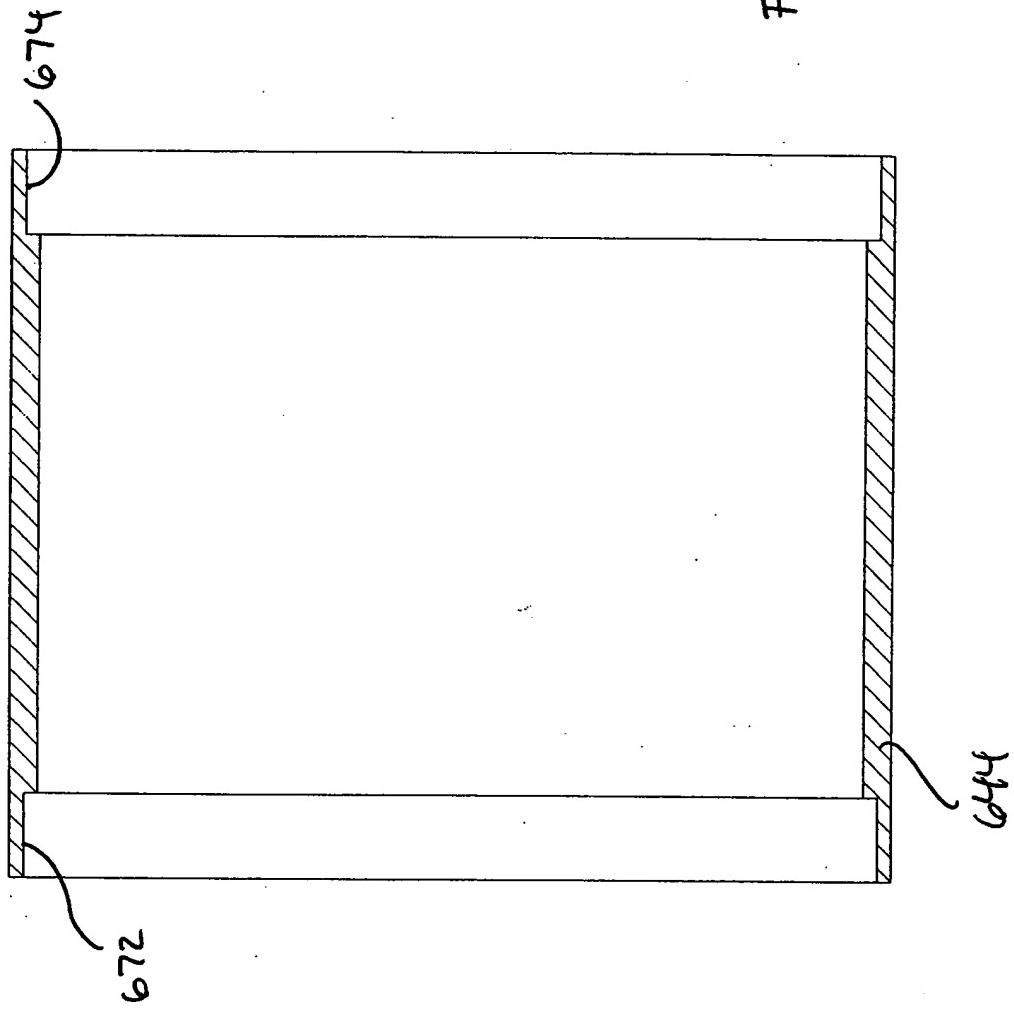


FIG. 81

FIG. 82



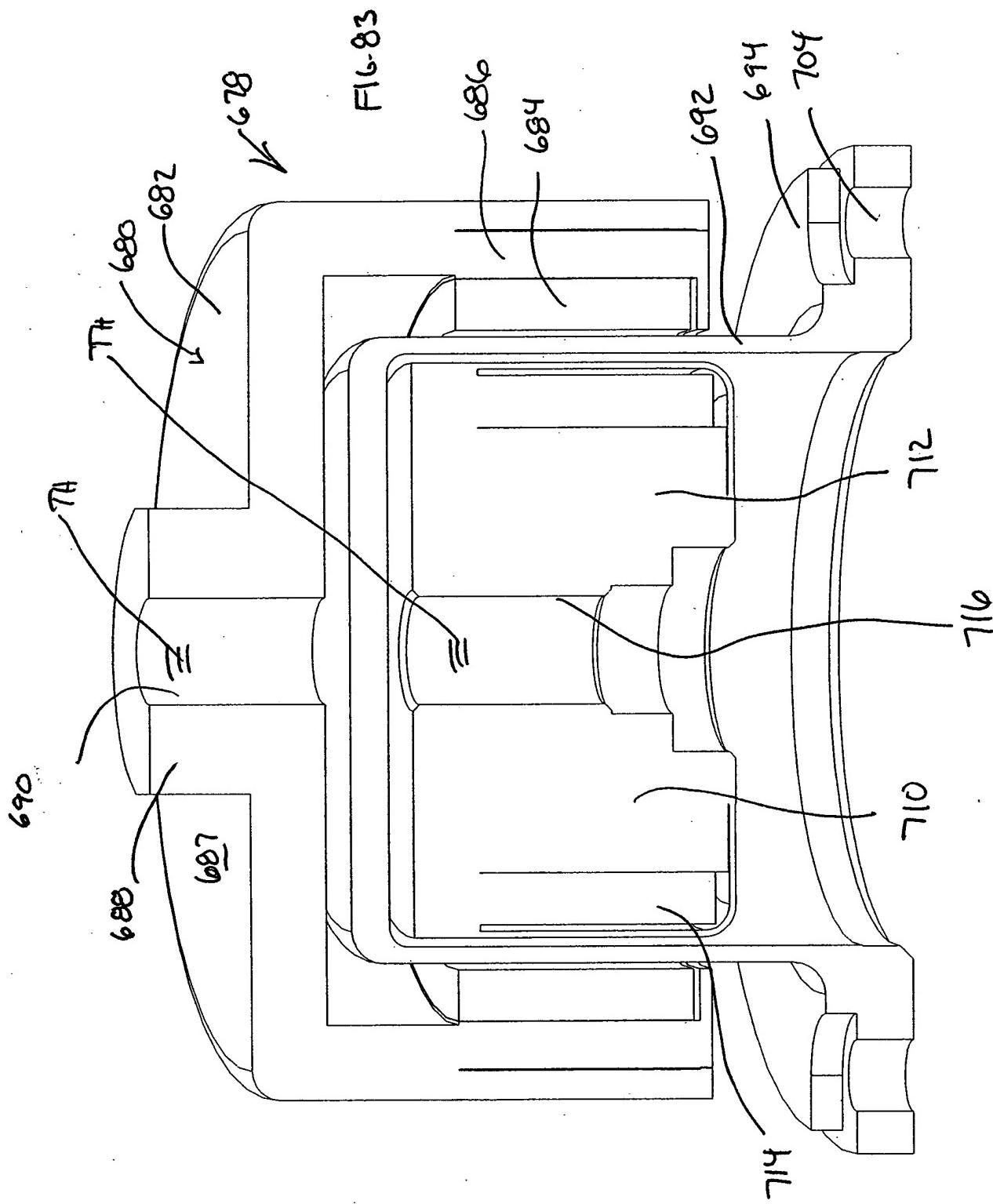


Fig. 84

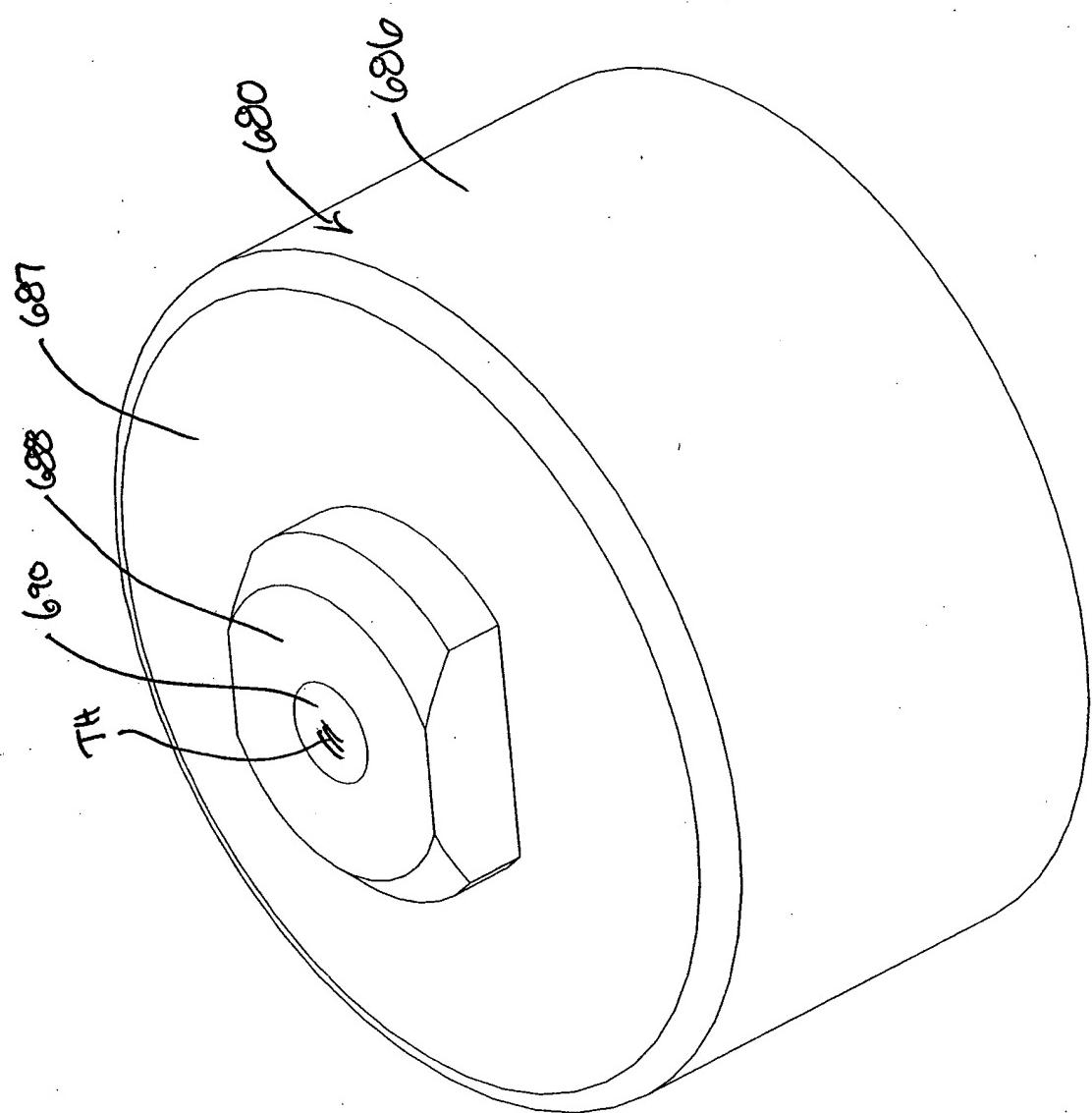


FIG. 85

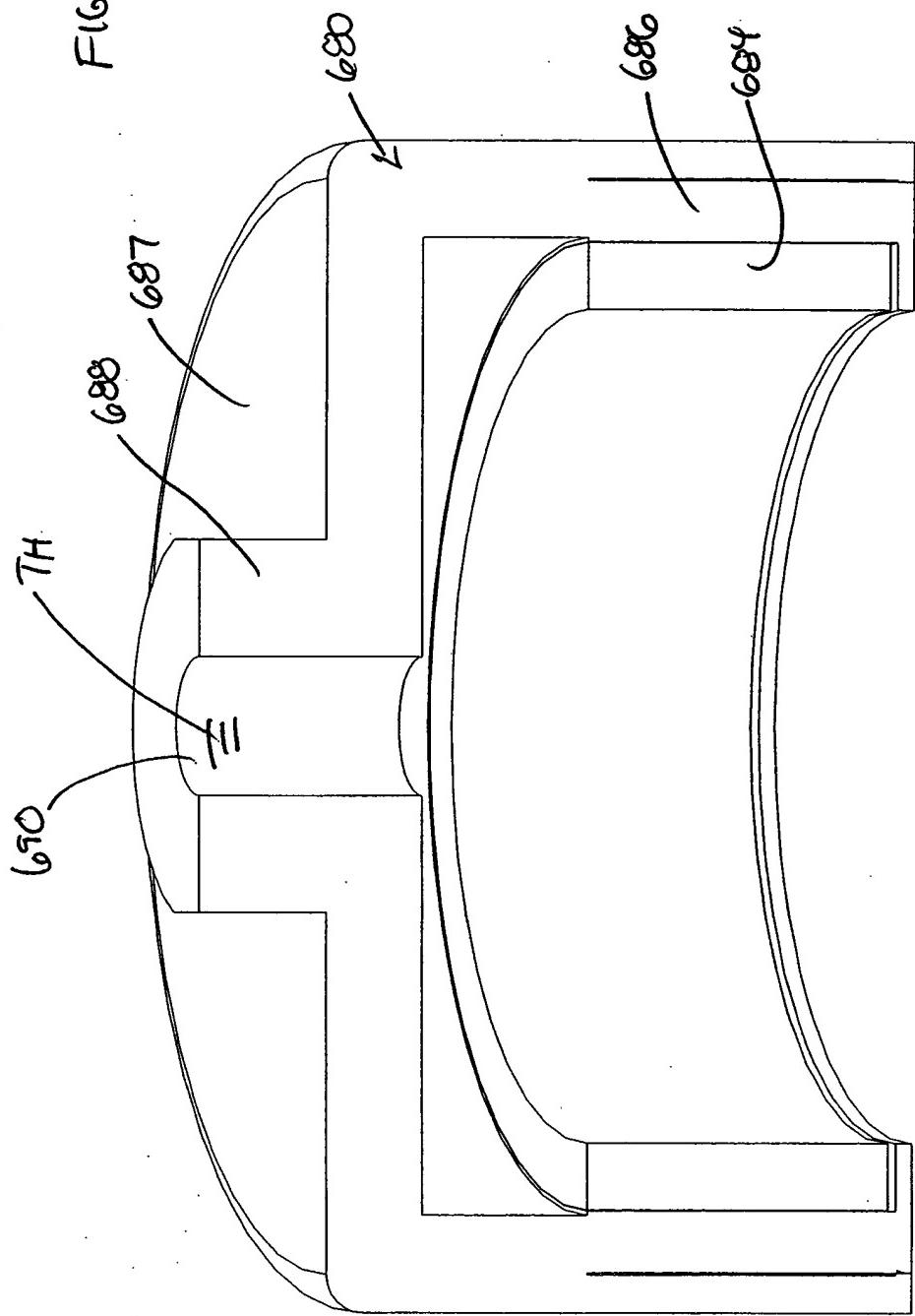


FIG. 86

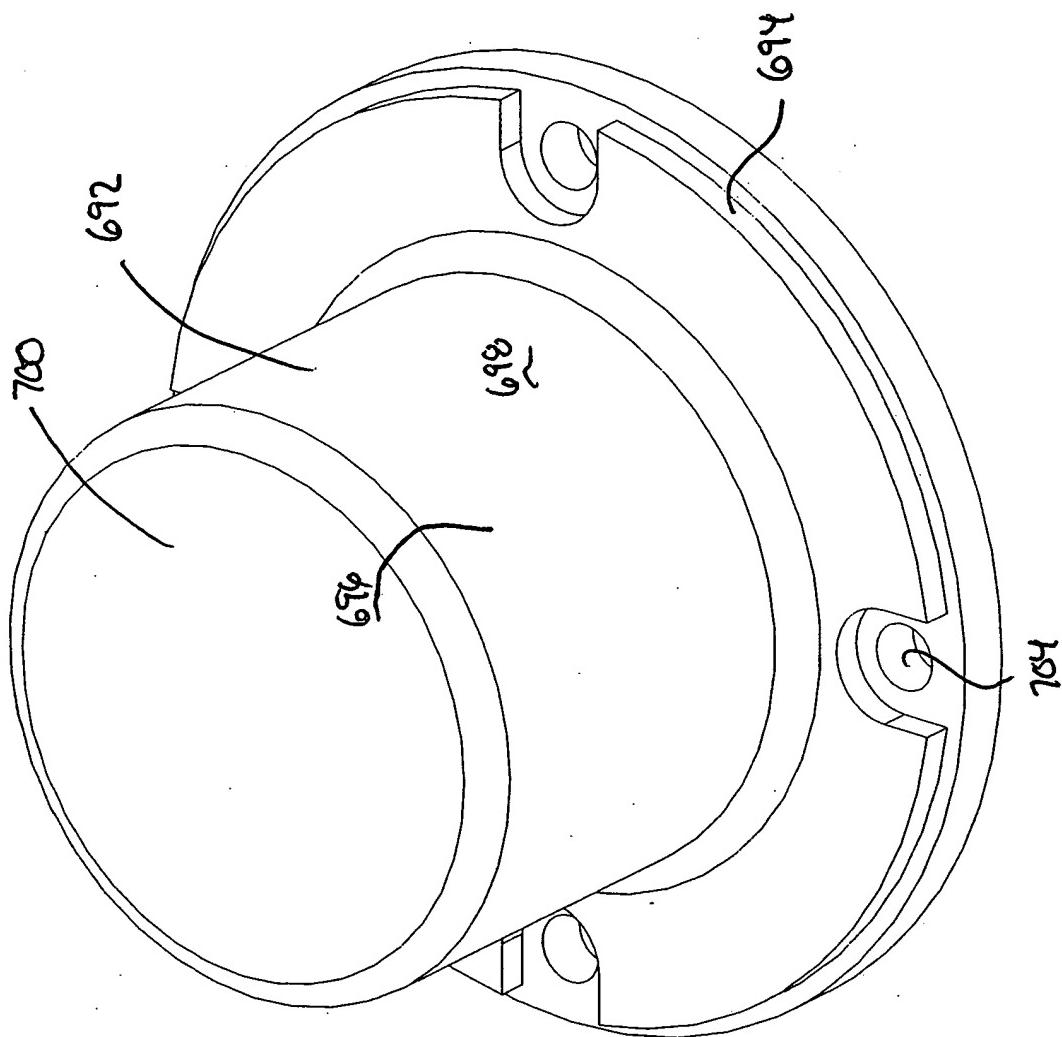
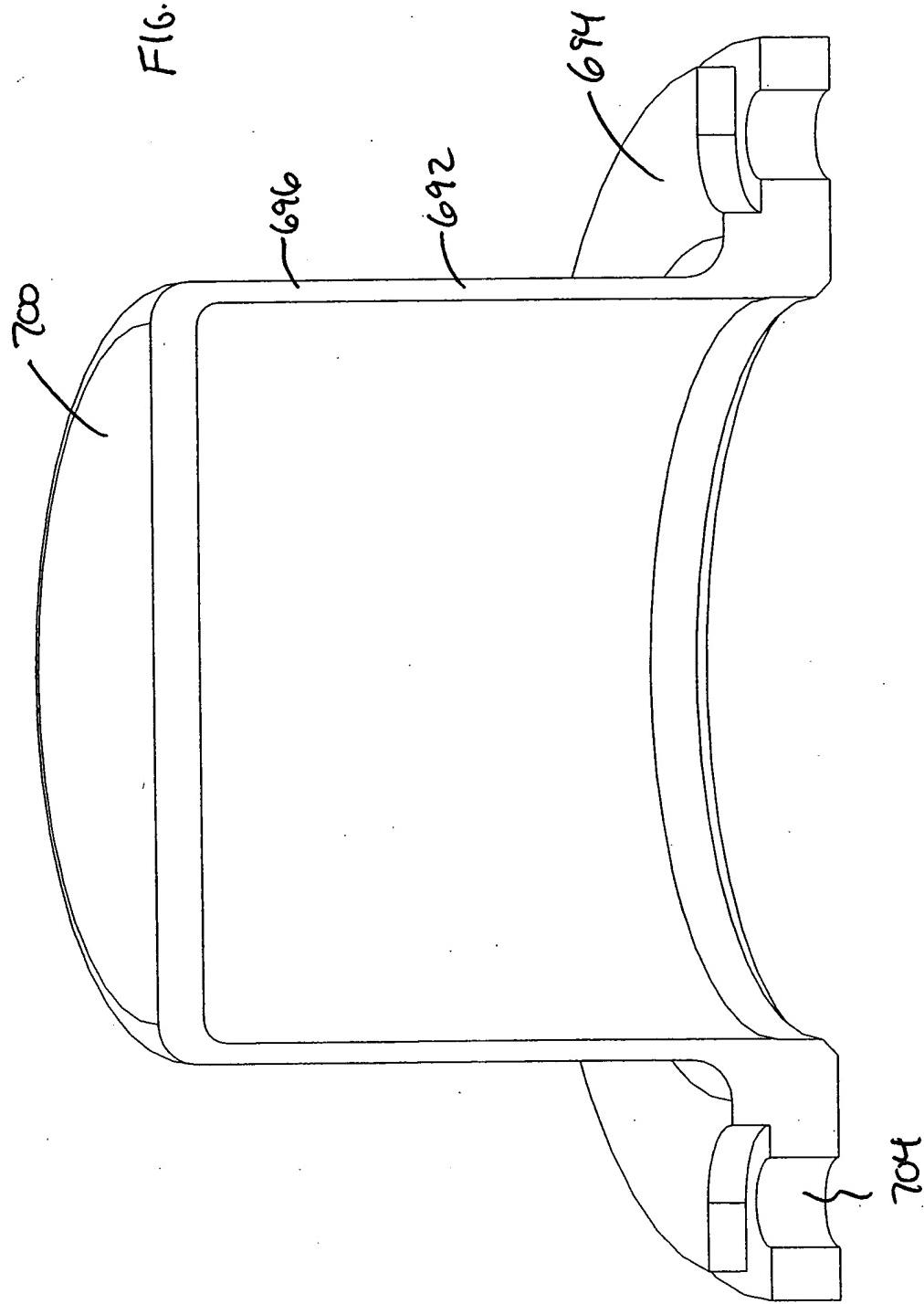


FIG. 87



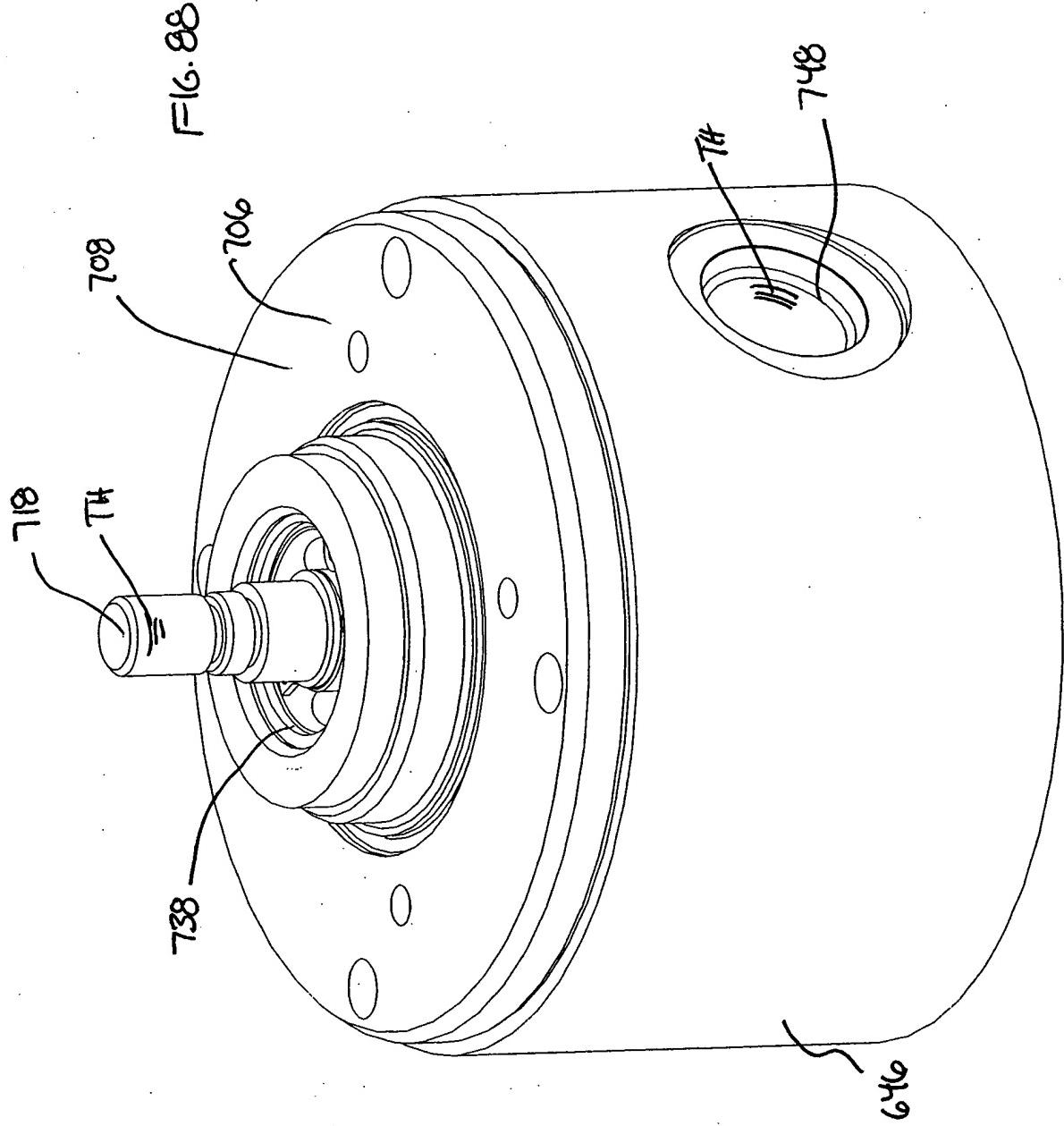


FIG. 89A

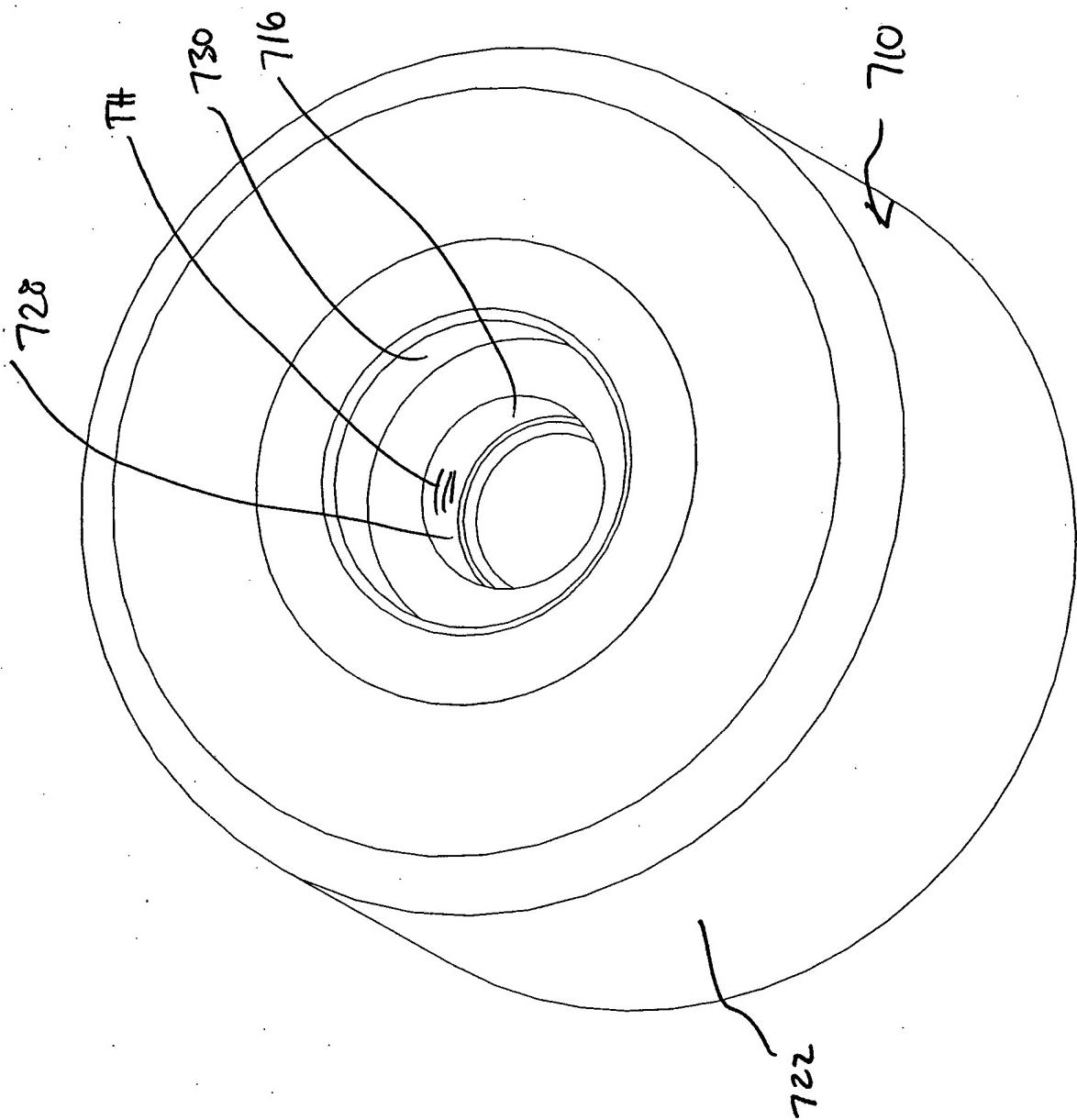


FIG 89B

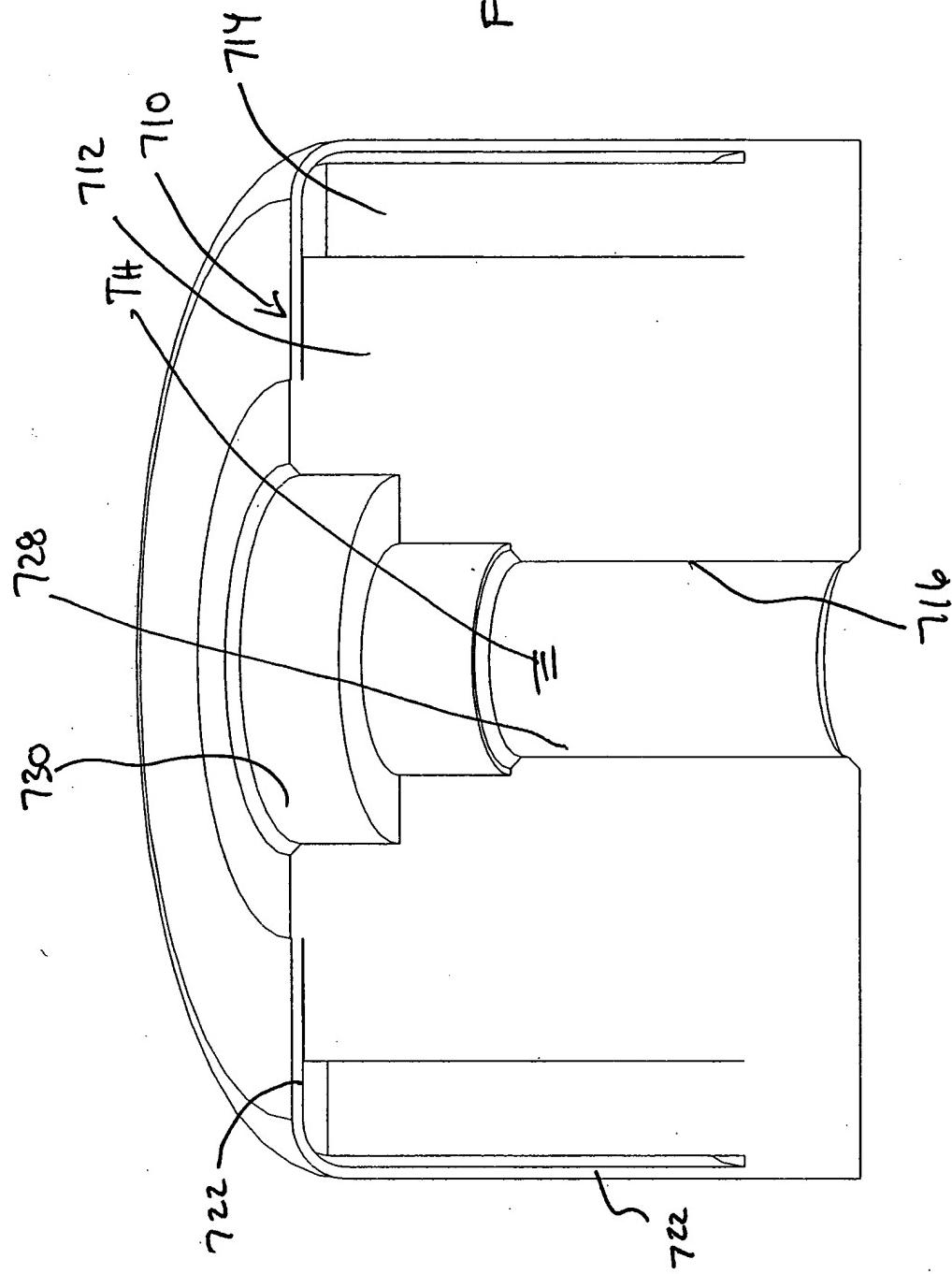


FIG. 90

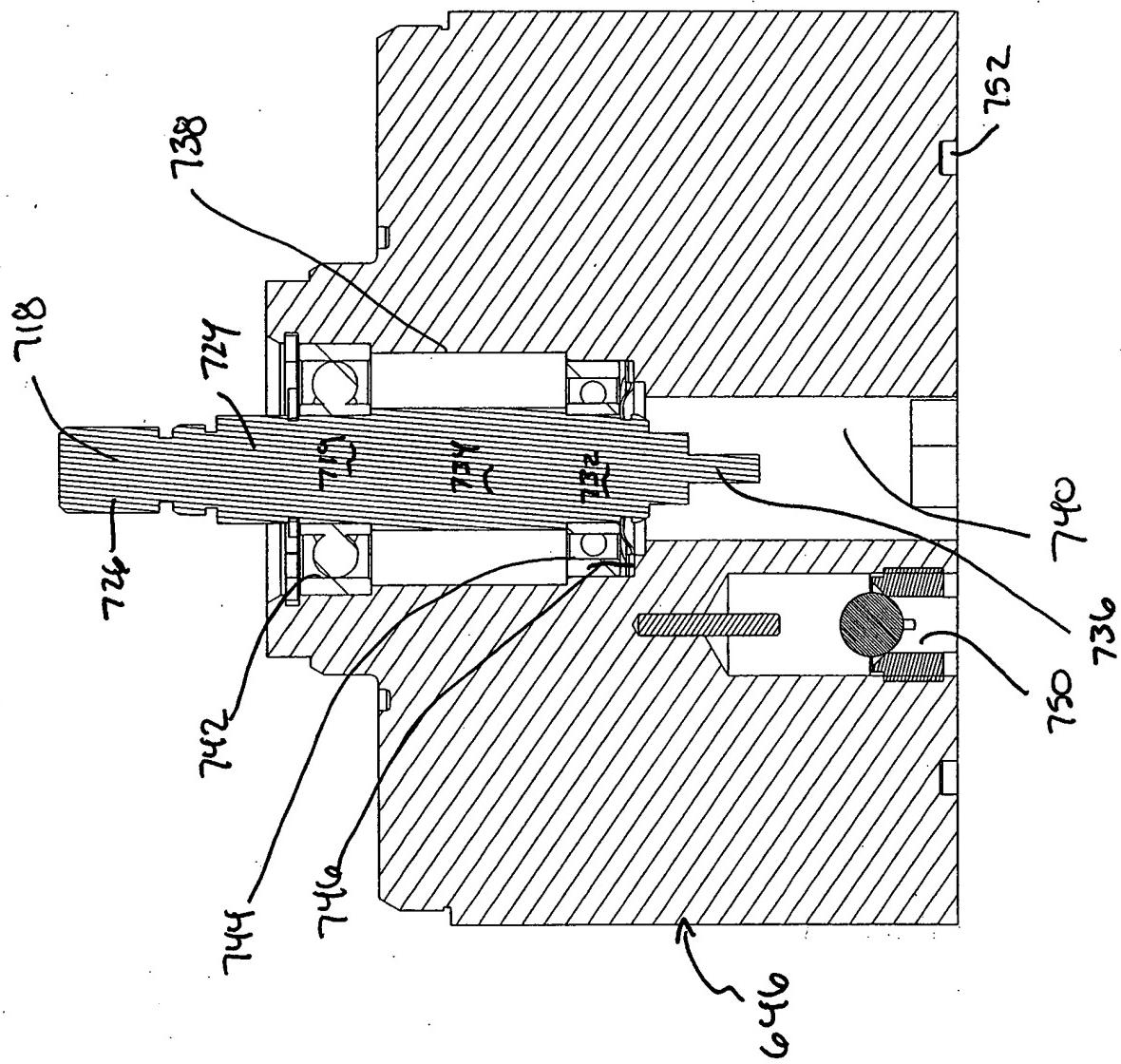


FIG. 91

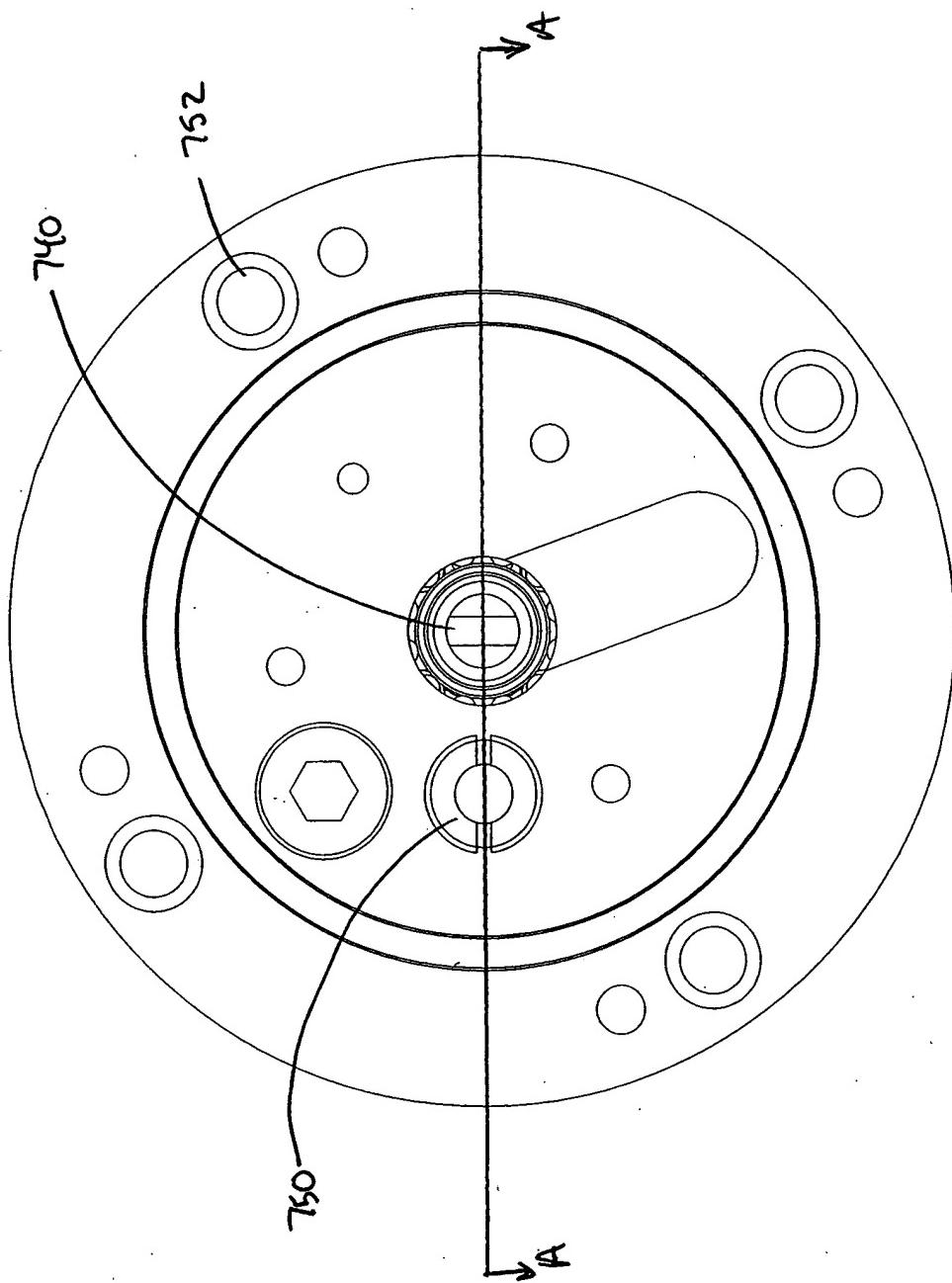
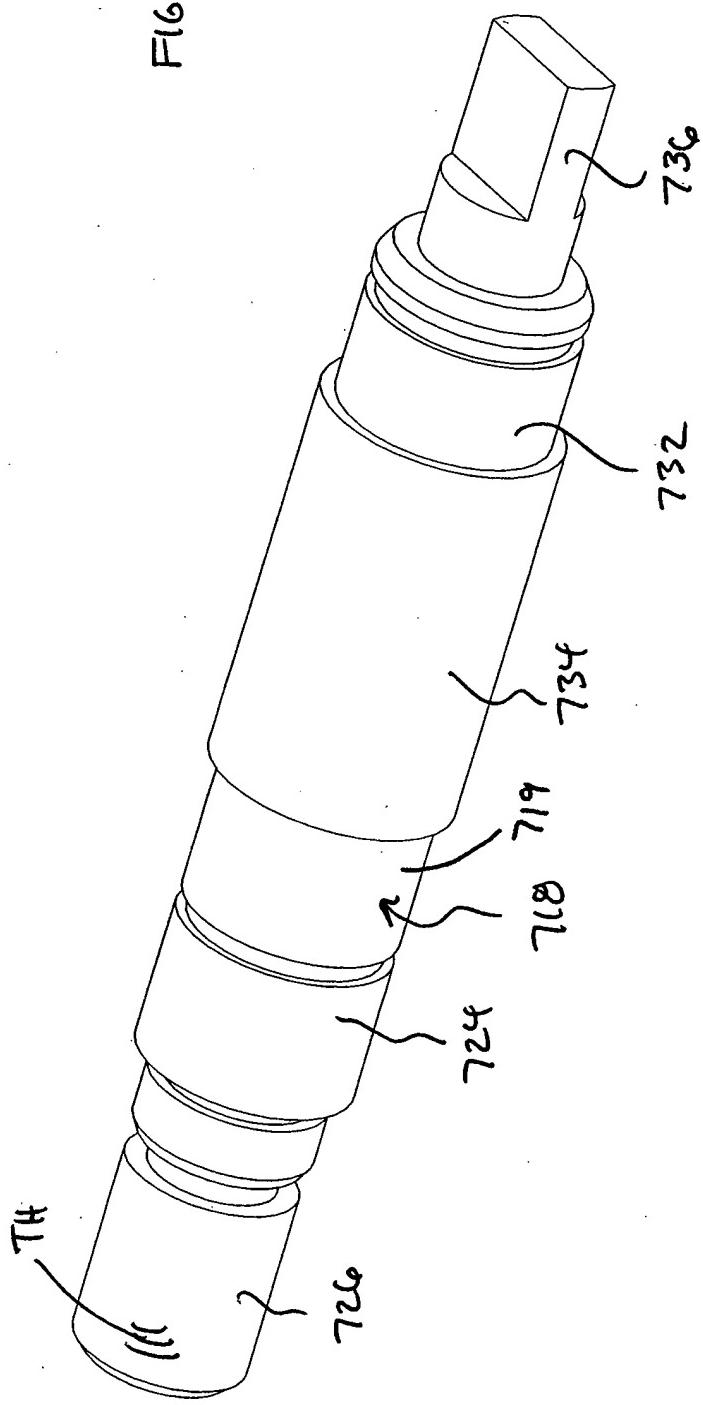


FIG. 92



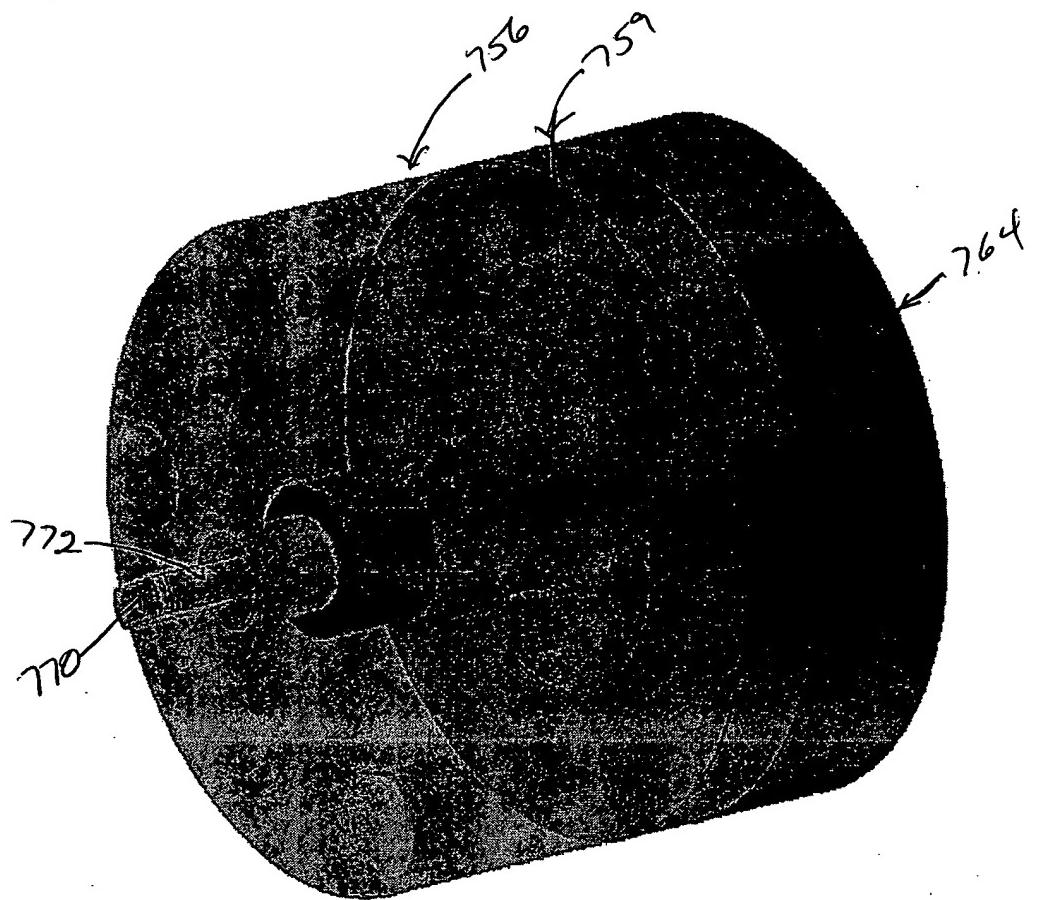


FIG. 93

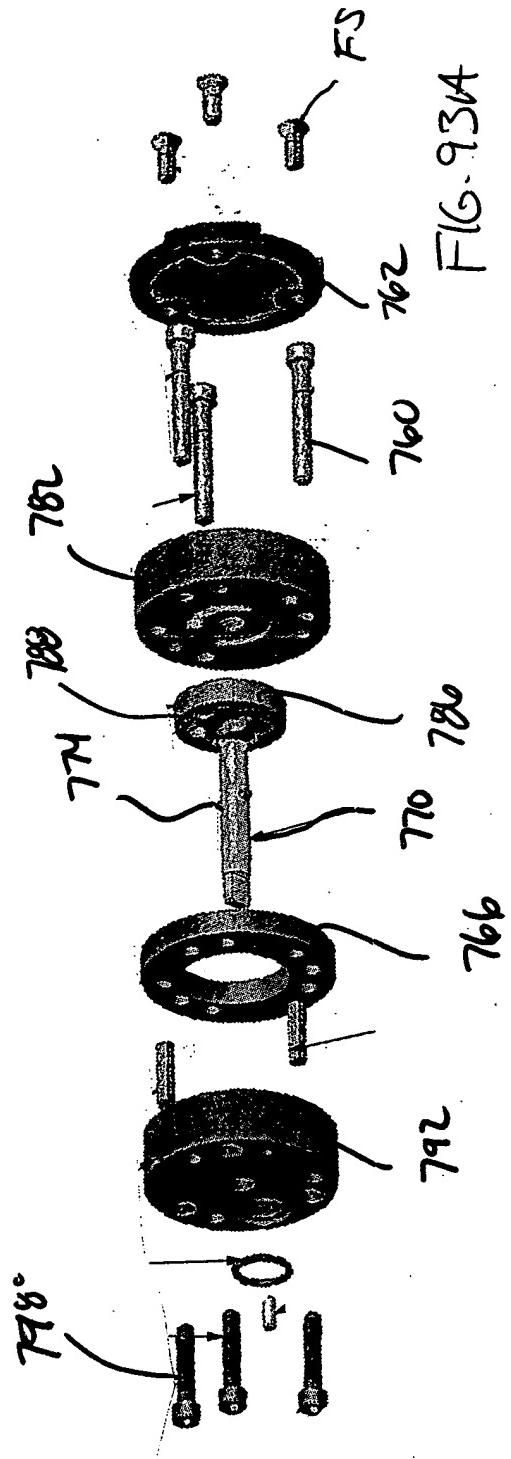
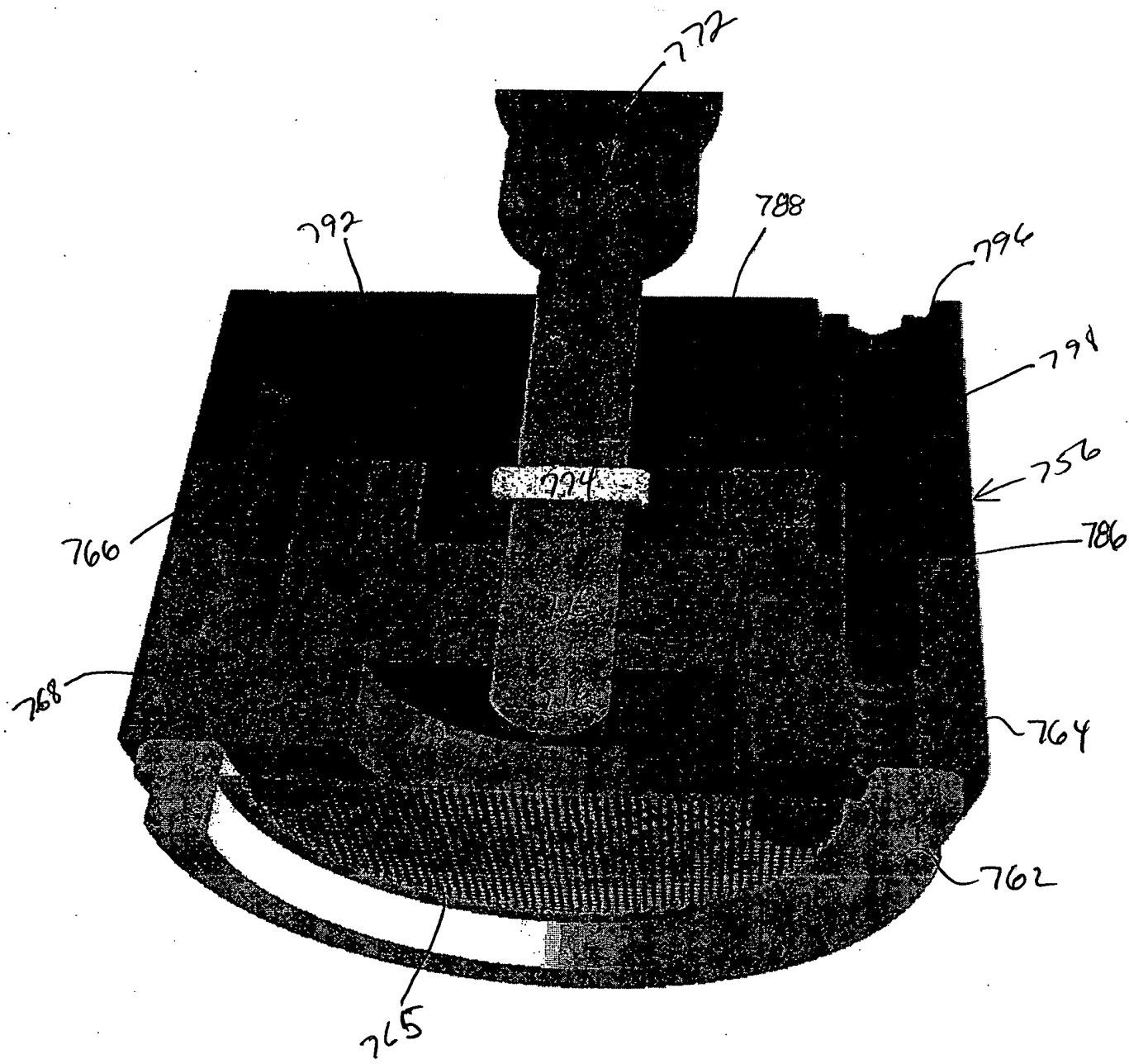


FIG. 934



F16-94

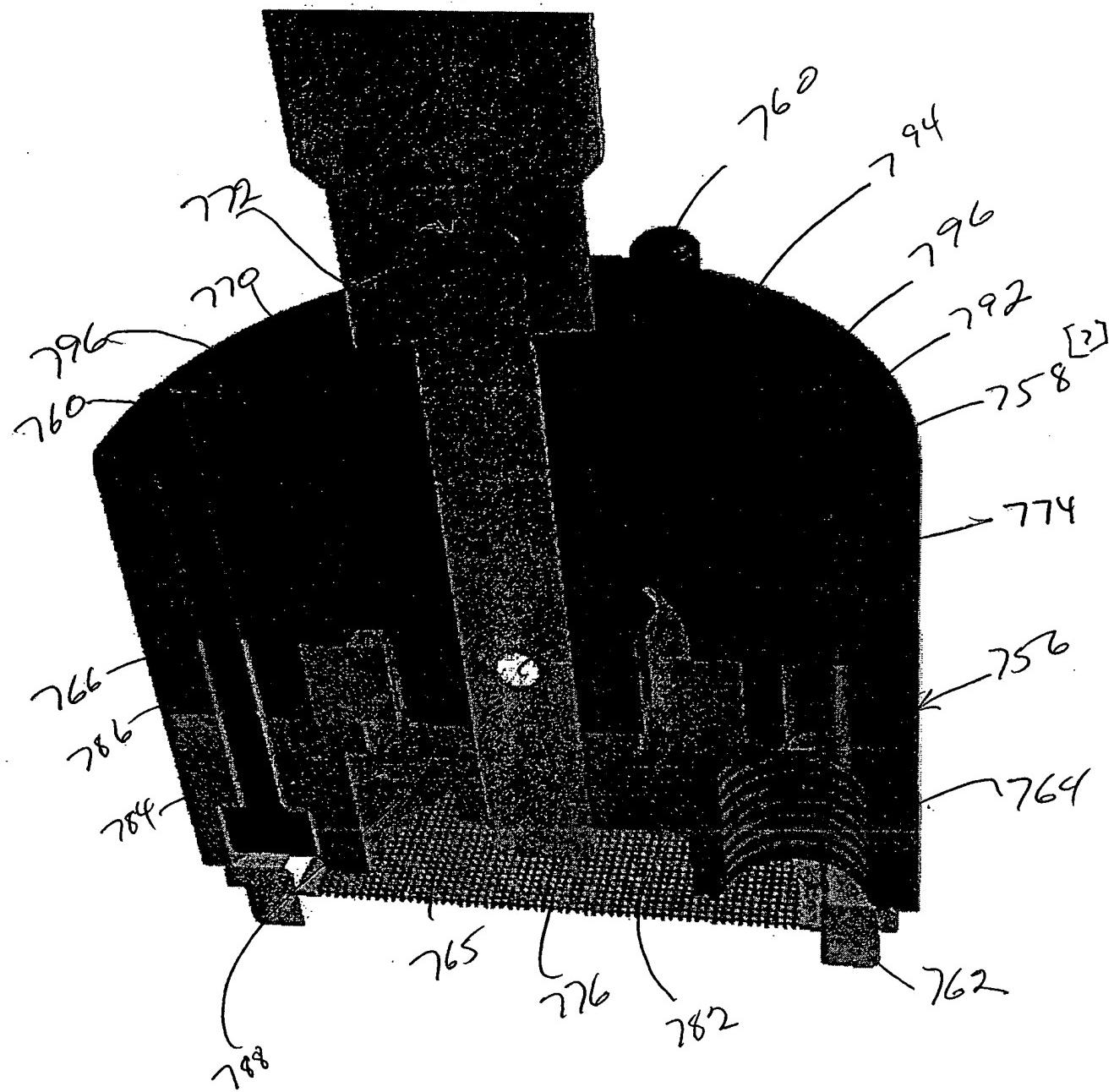
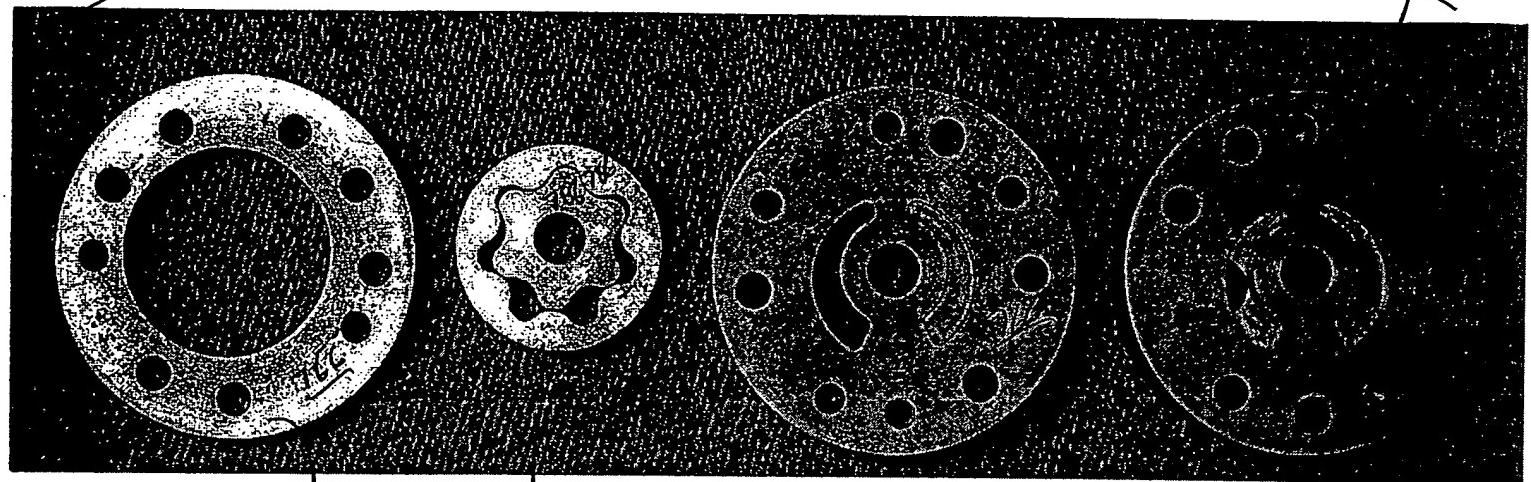


FIG. 95

F16.96

794

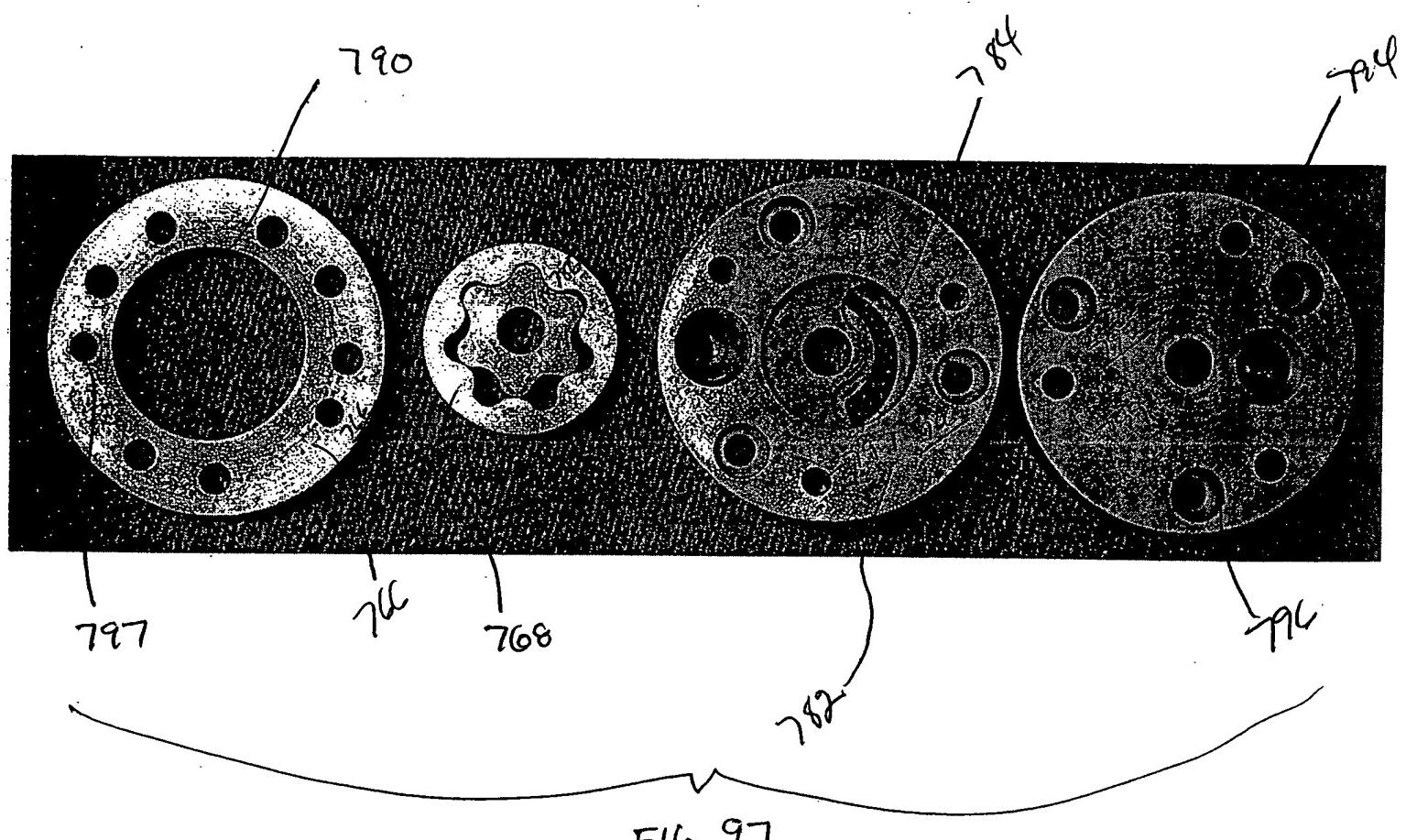


766

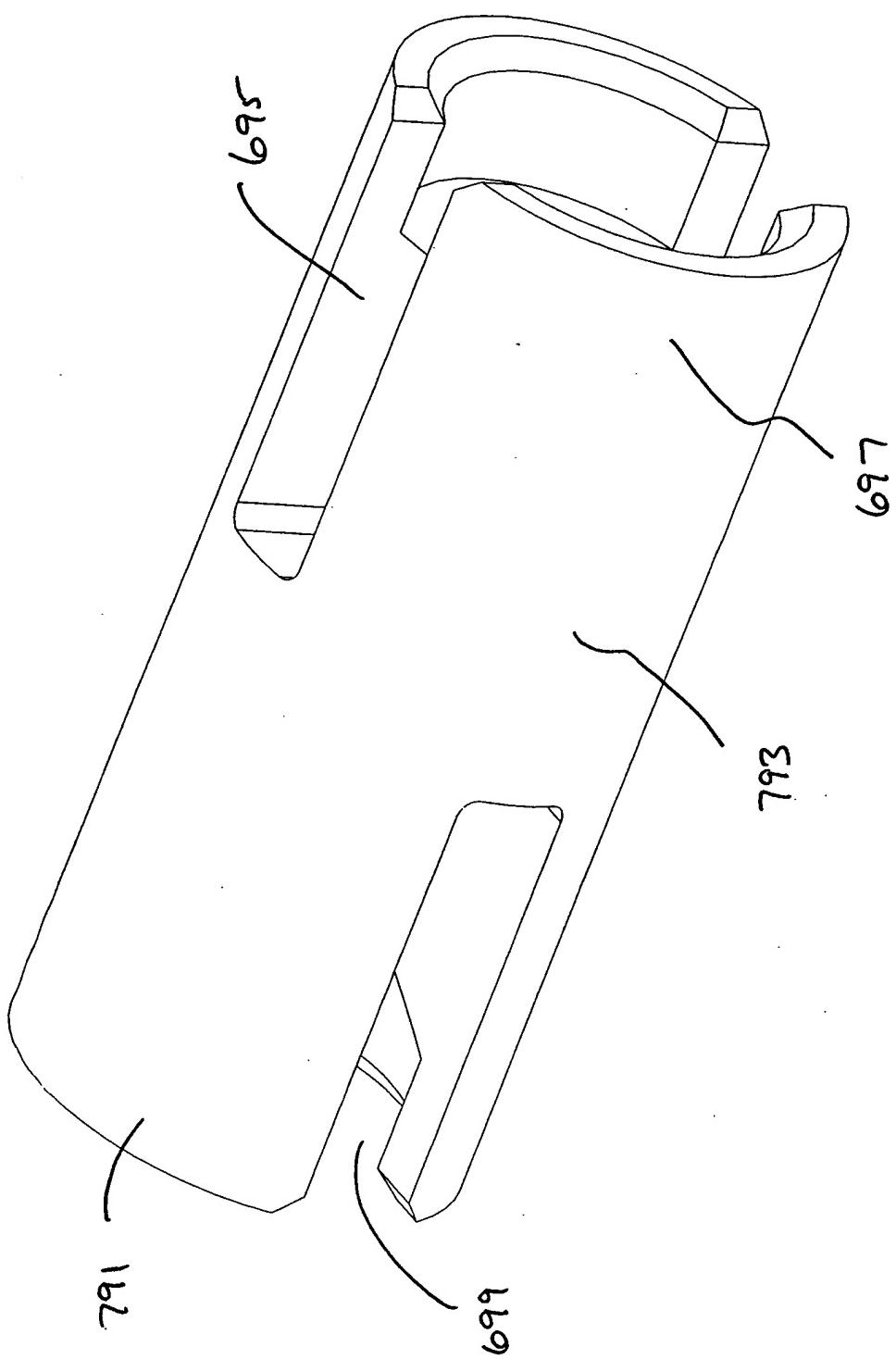
768

769

794



F16.98



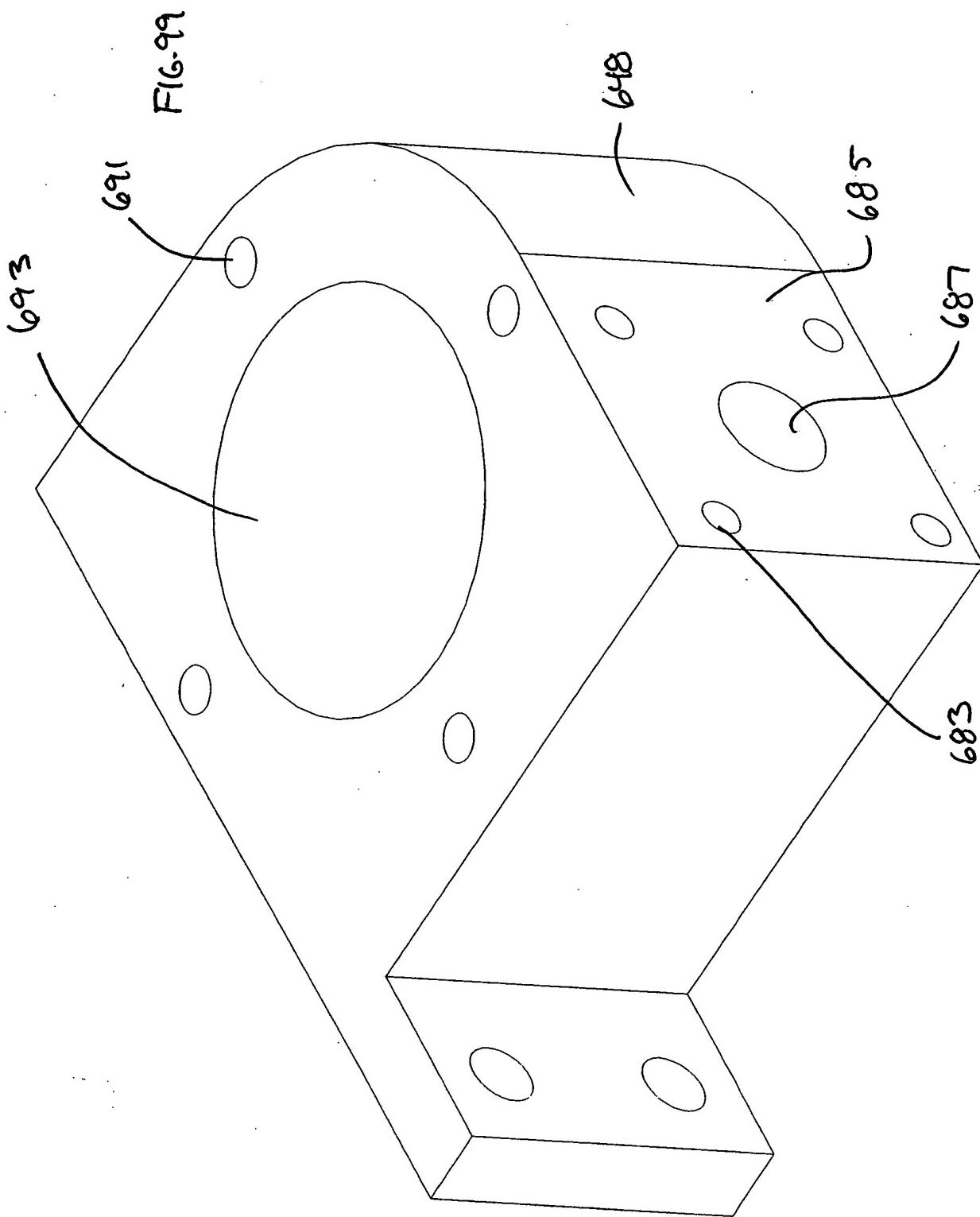
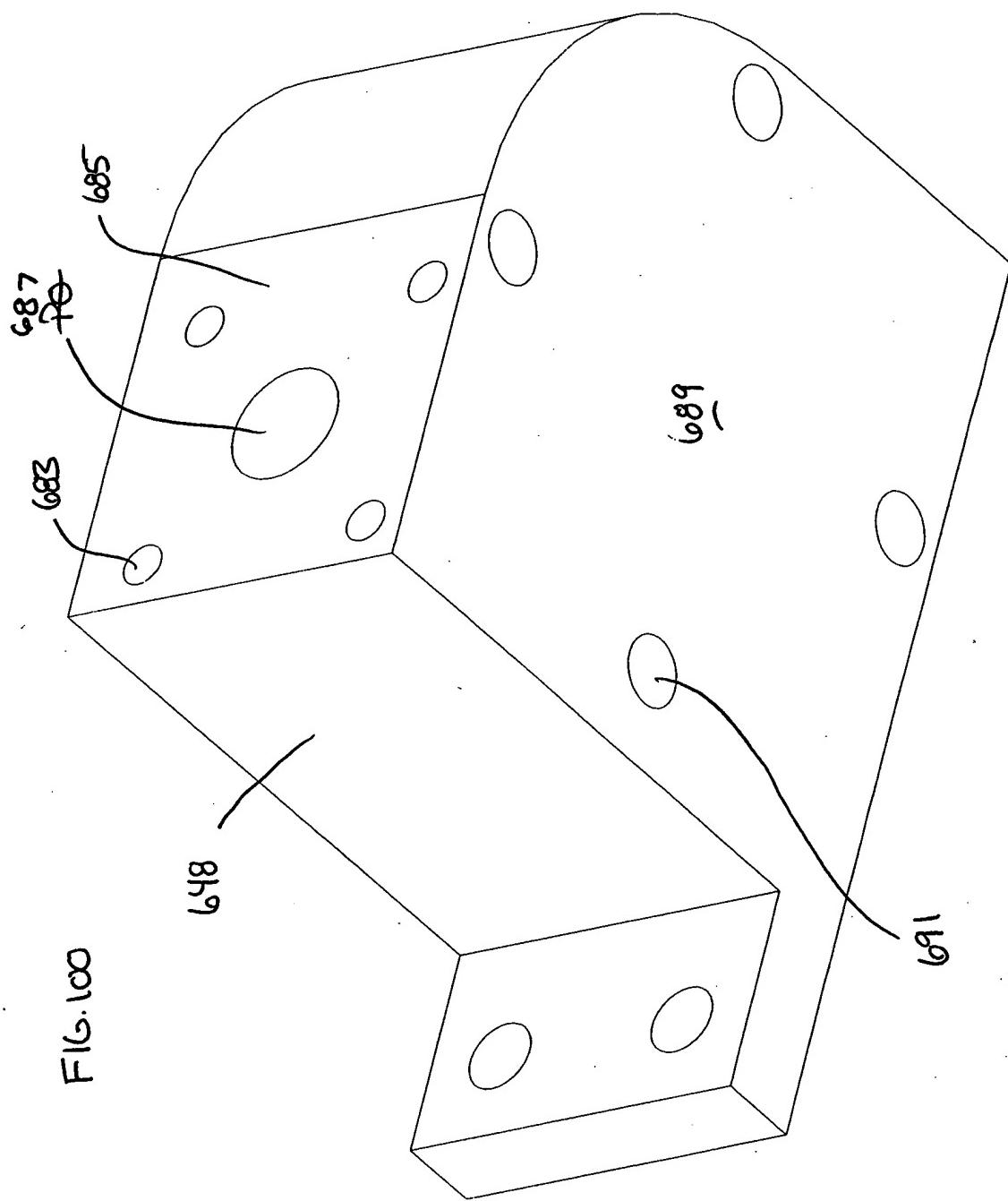
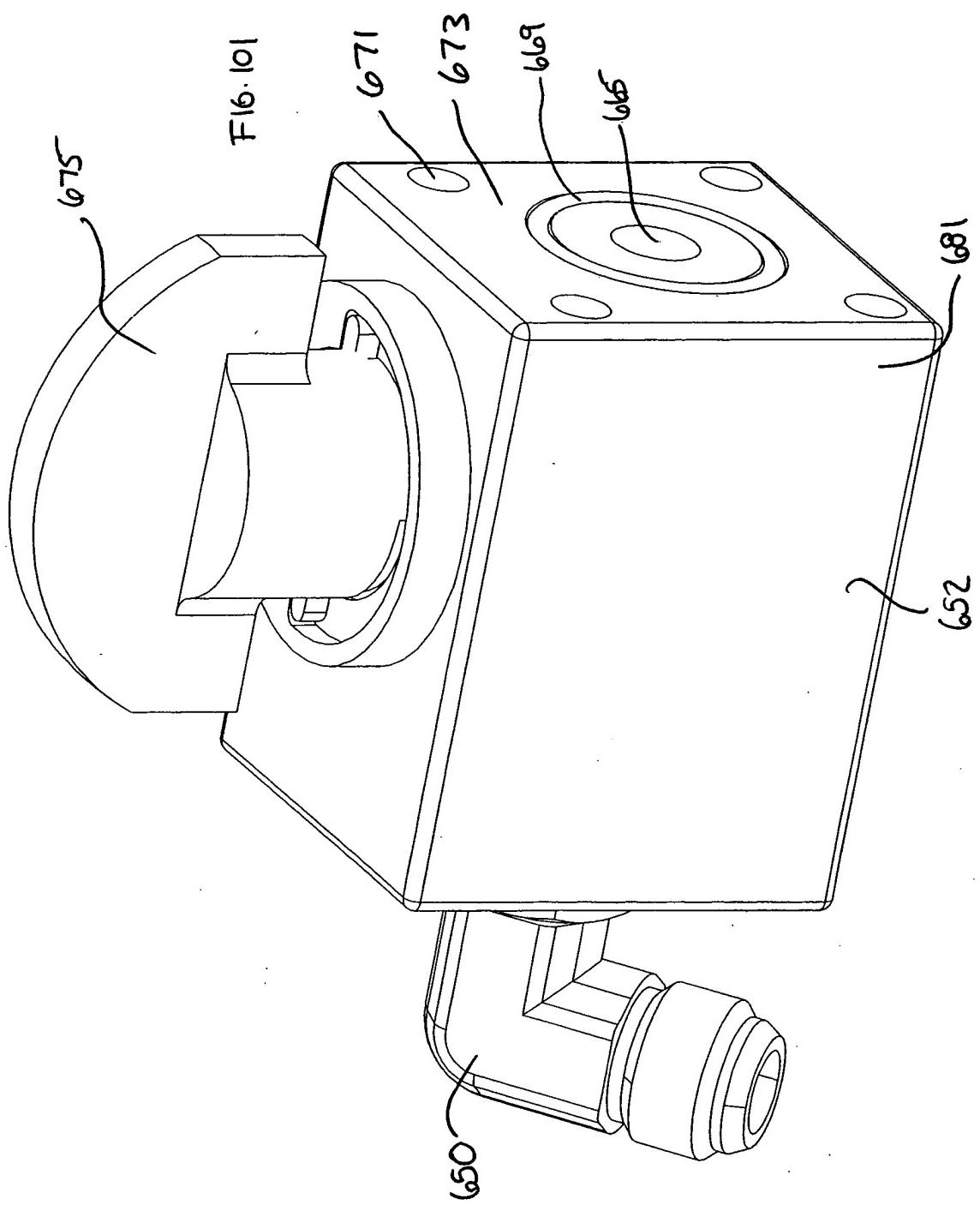
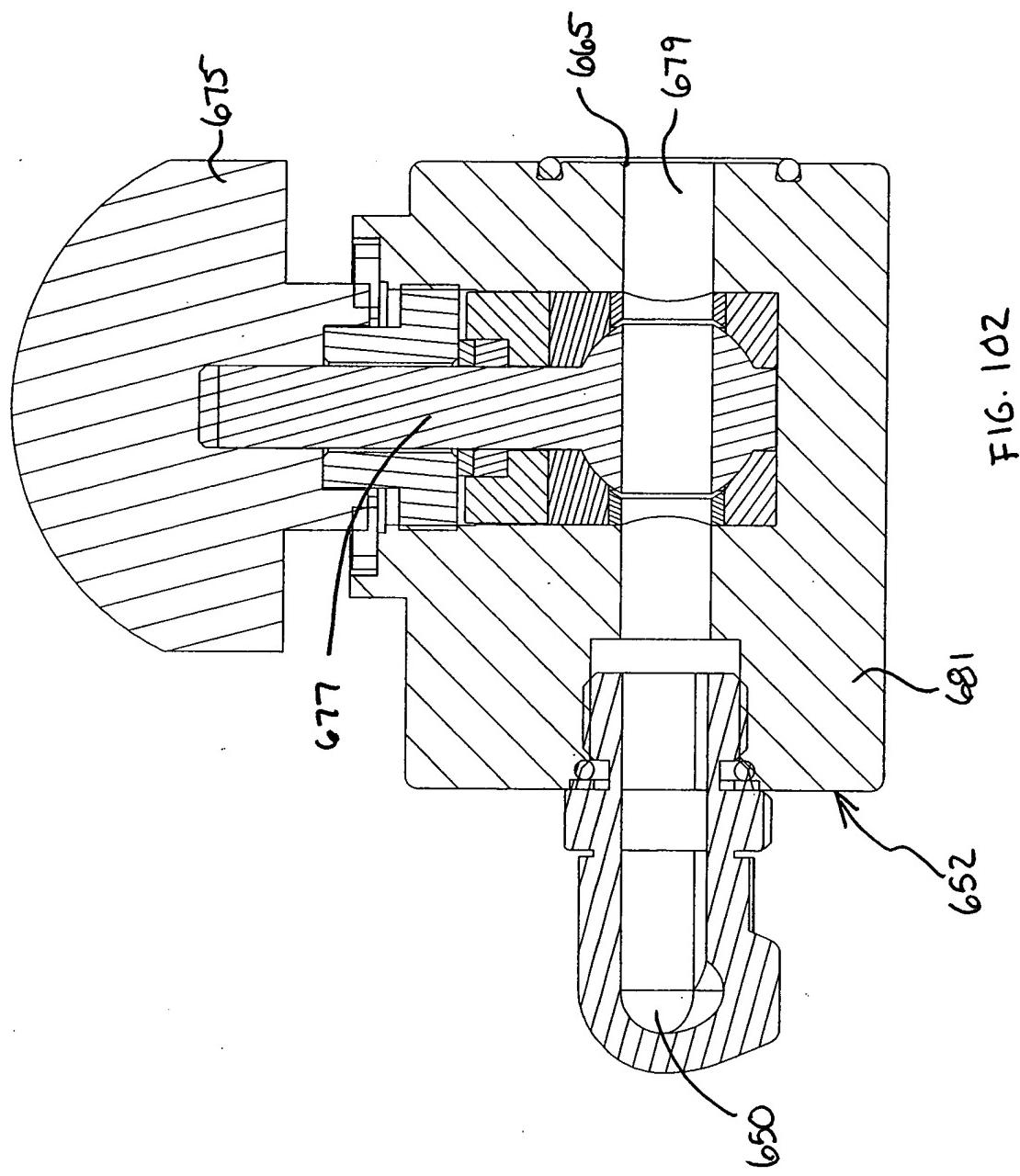
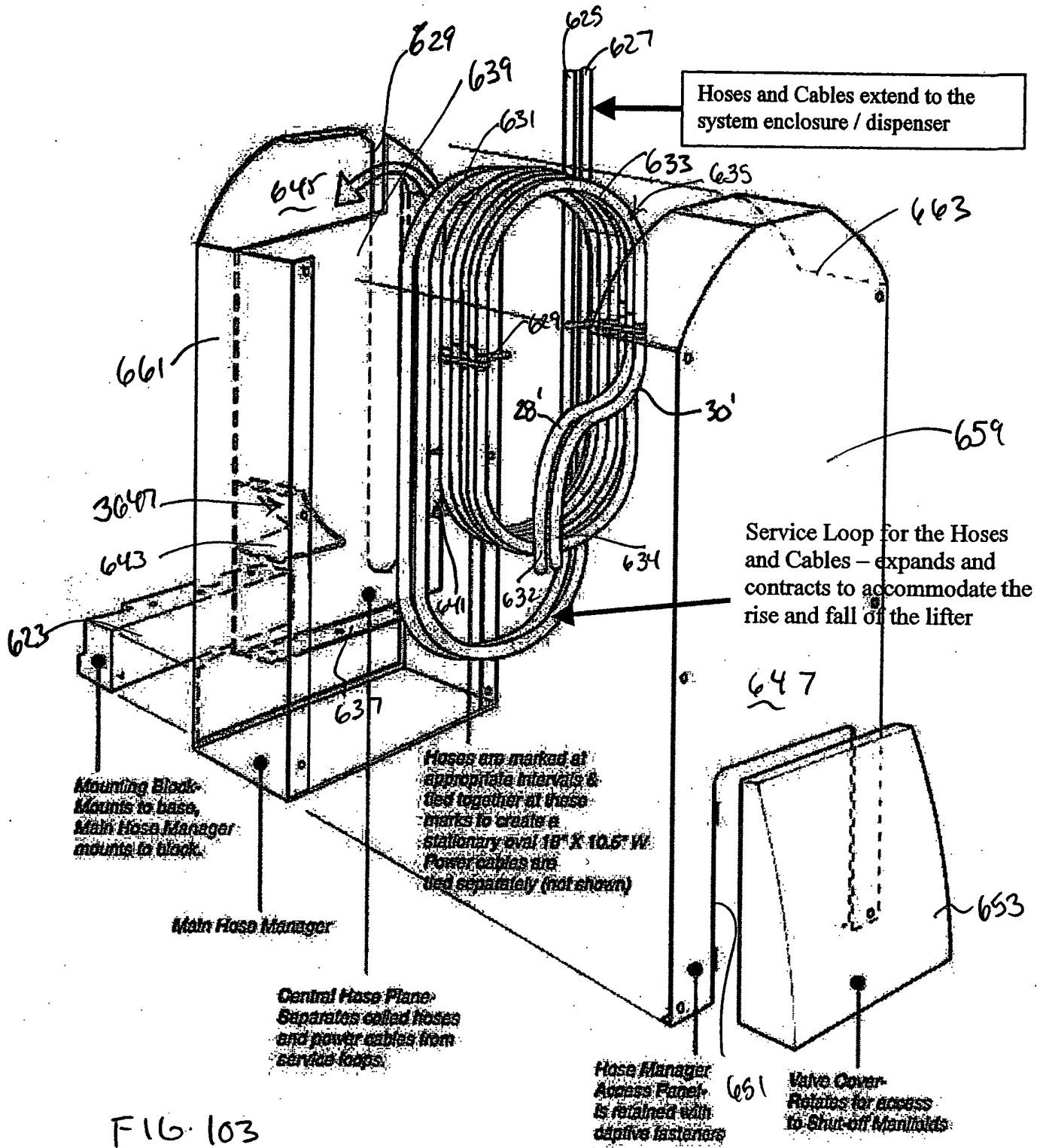


FIG. 100









F16-103

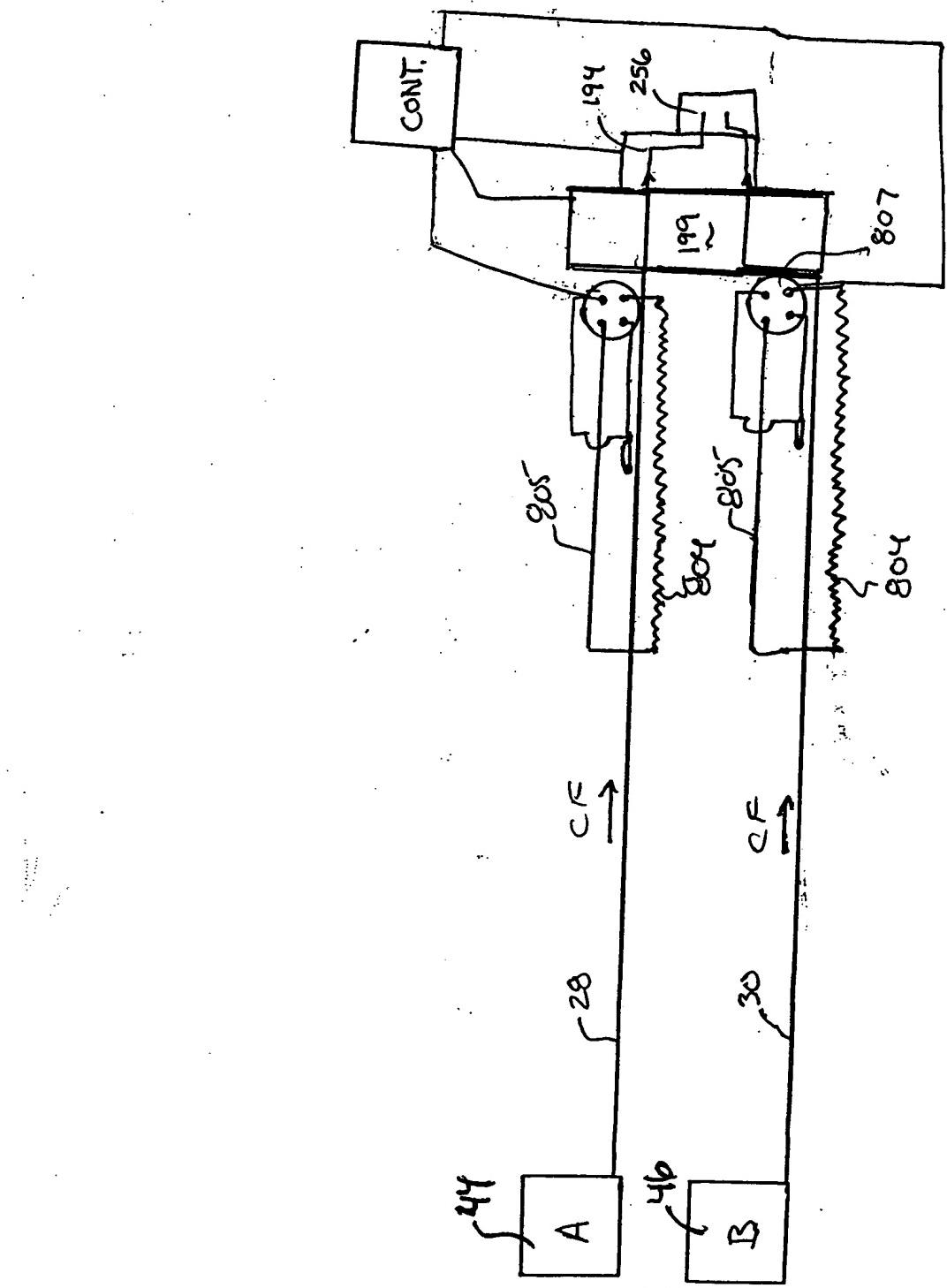


FIG. 104

Fig. 105

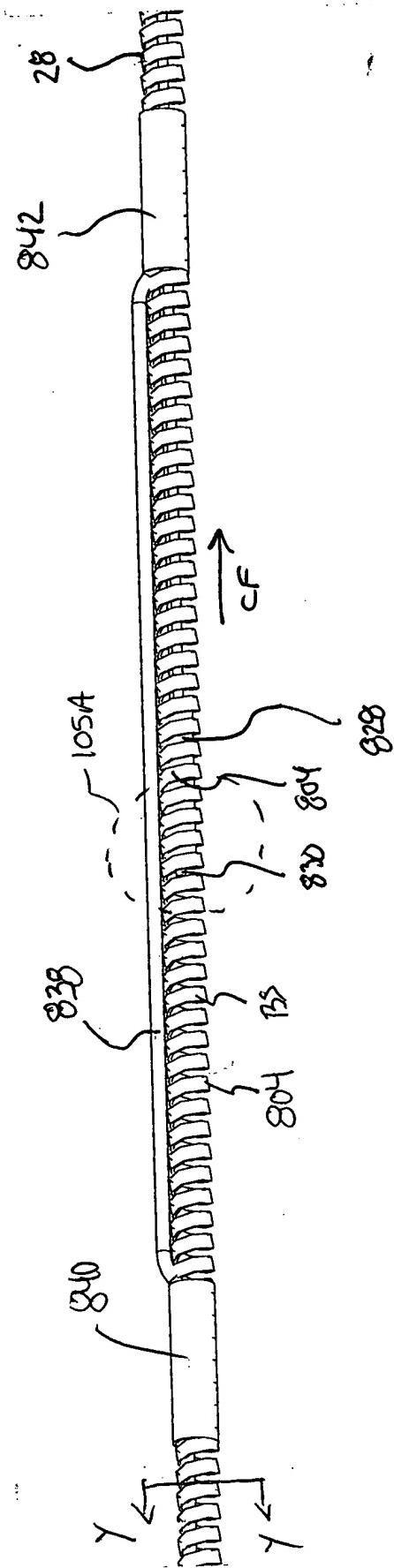


FIG. 105A

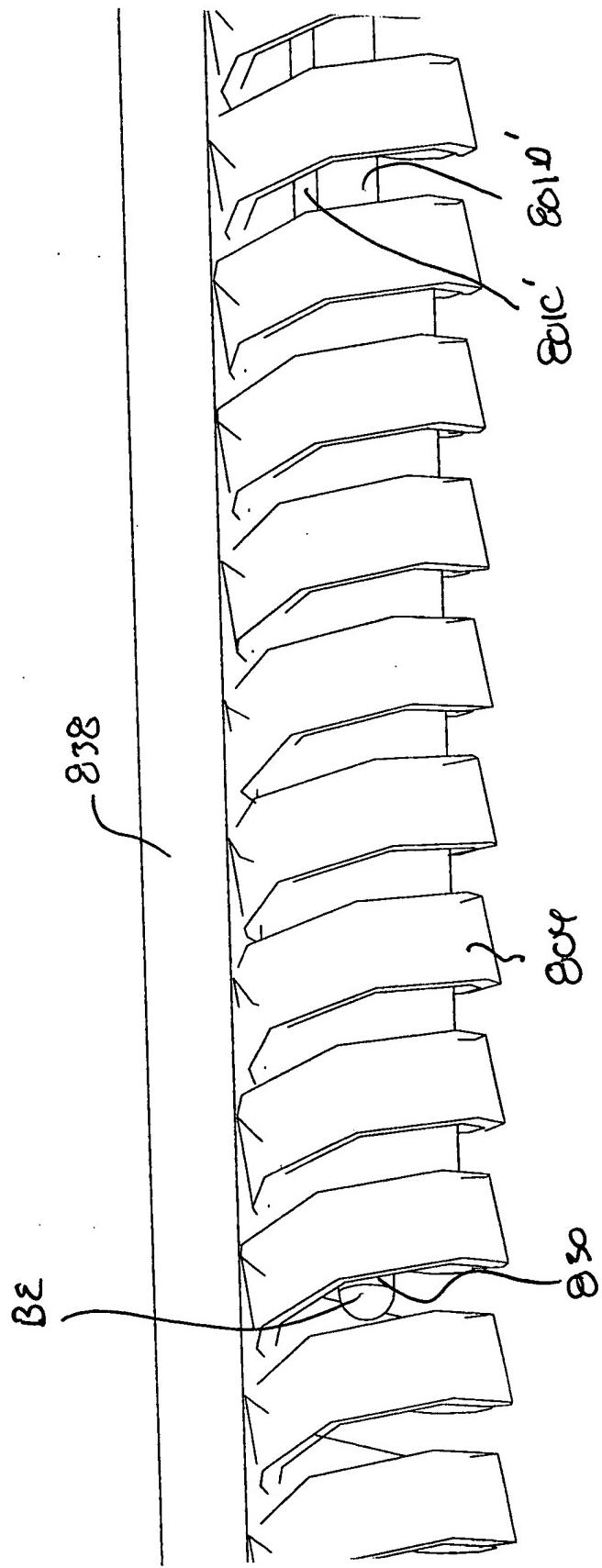


Fig. 106

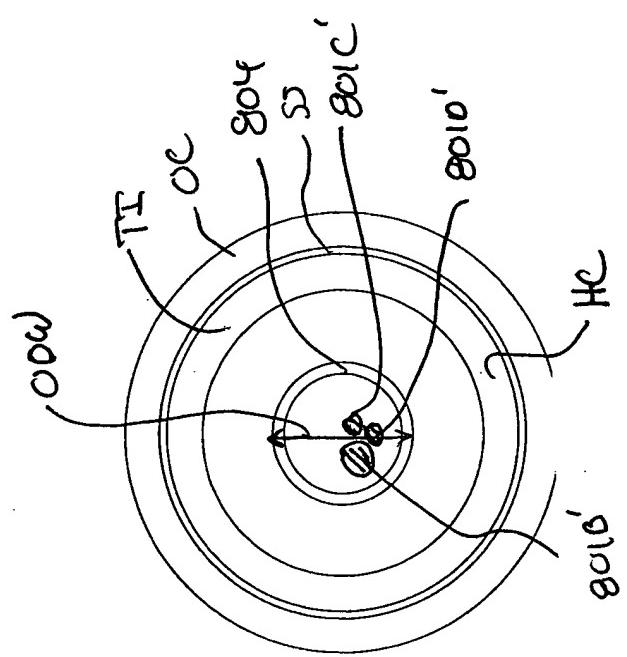


FIG. 107

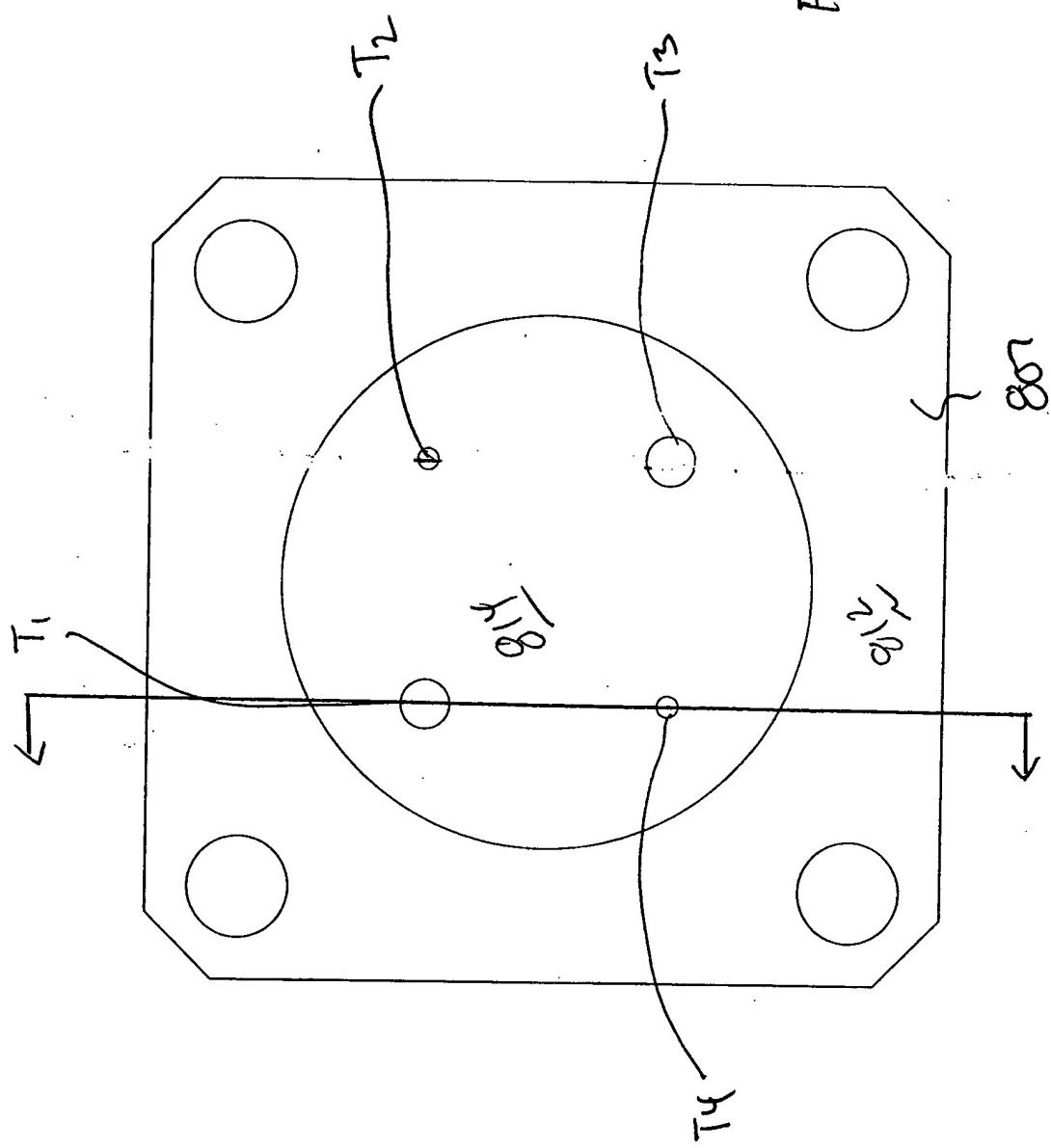


Fig. 108

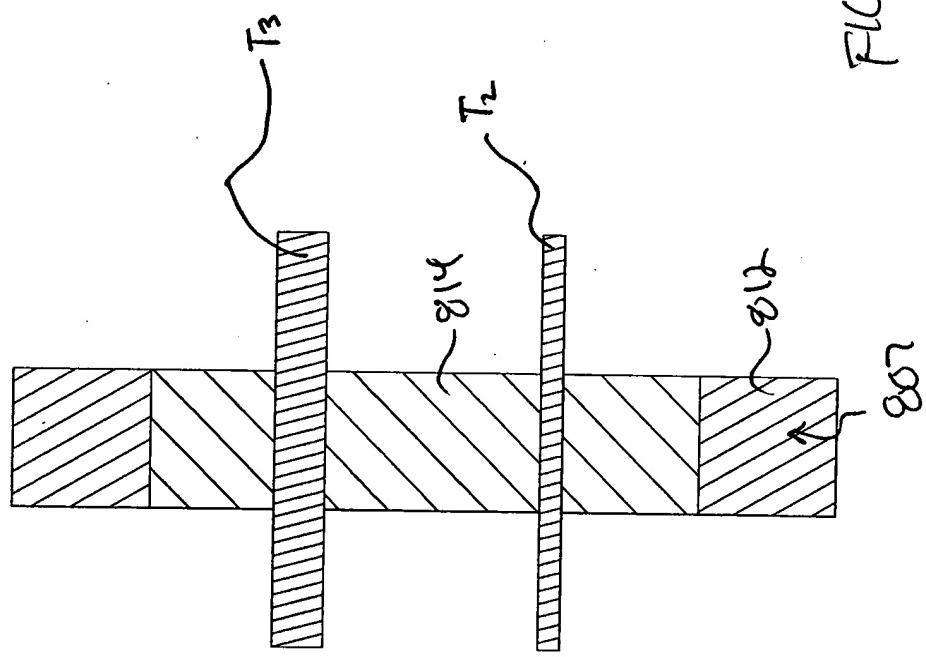


FIG. 109

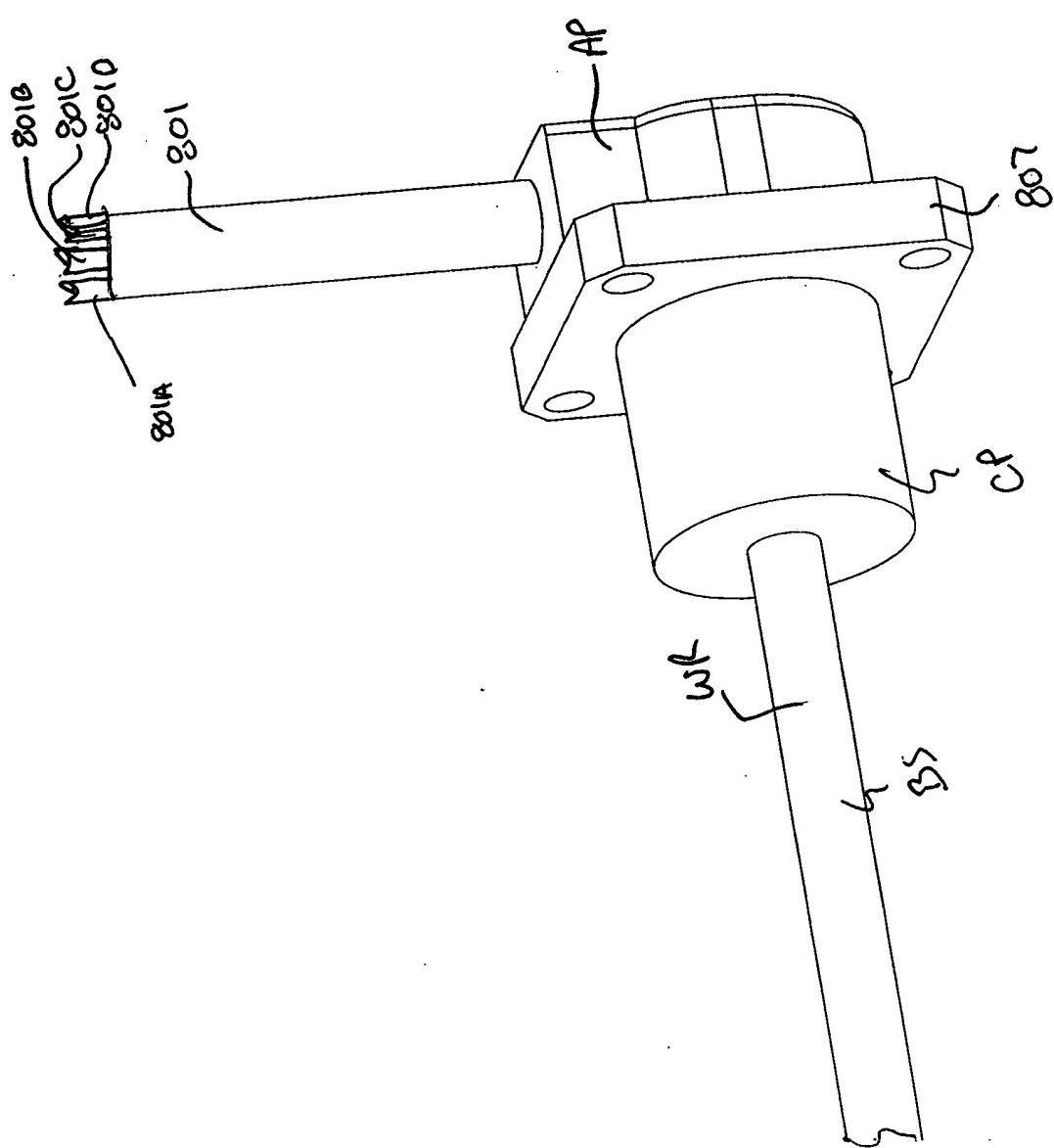


FIG. 109A

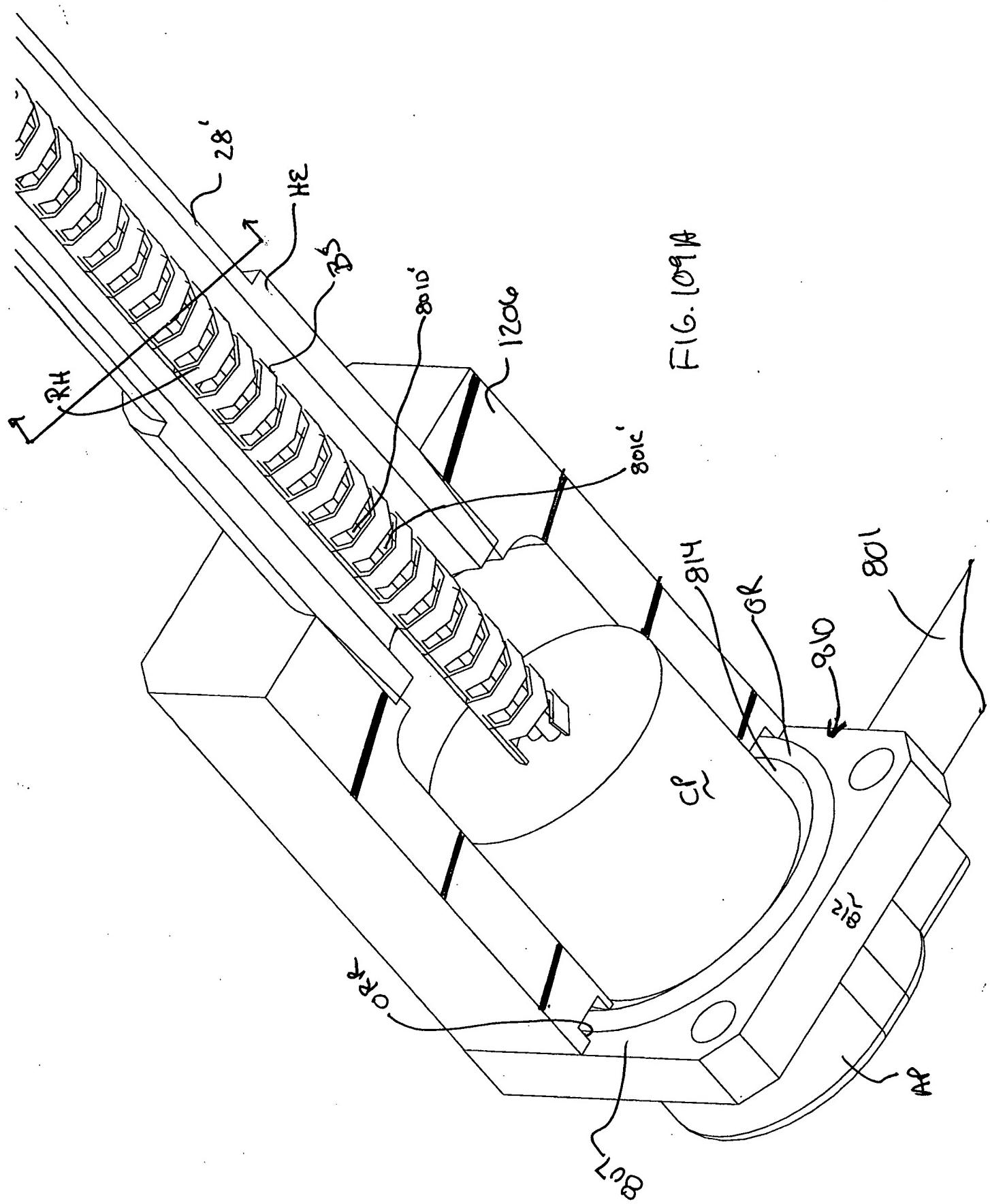
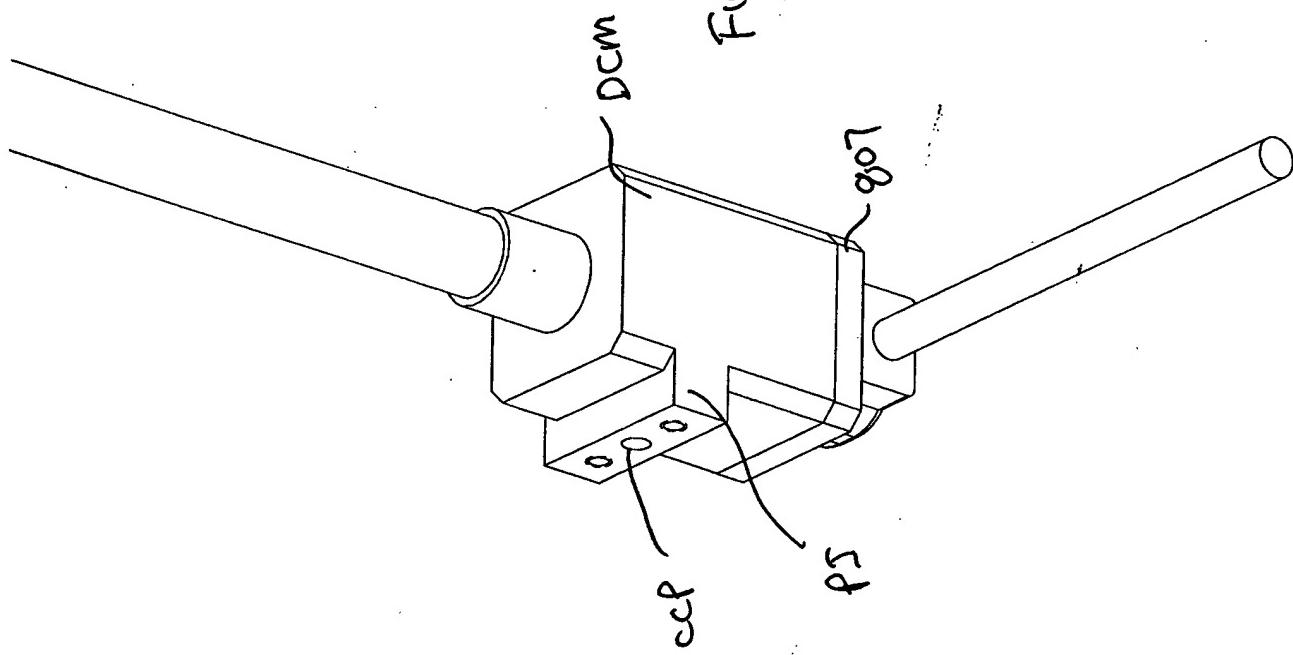


FIG. 109B



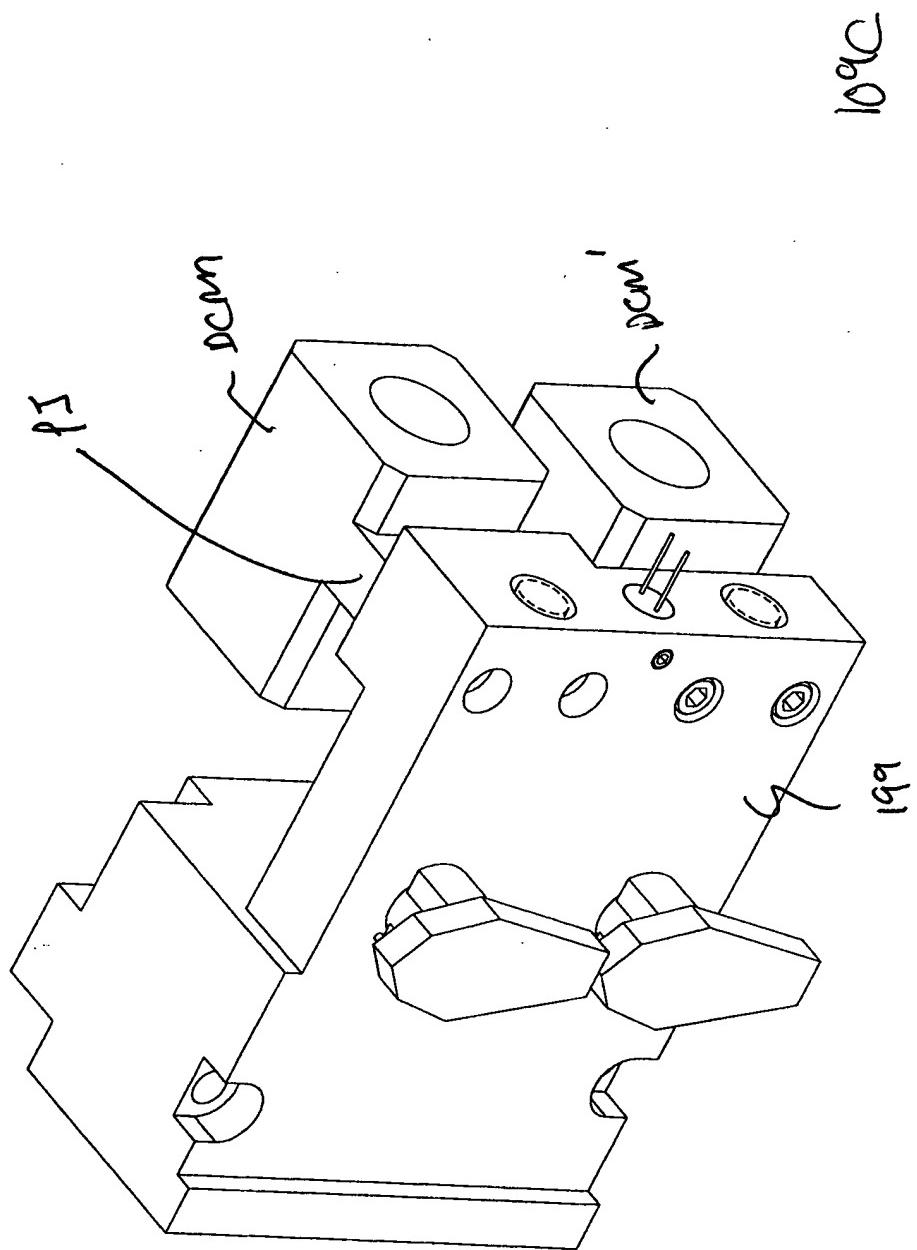
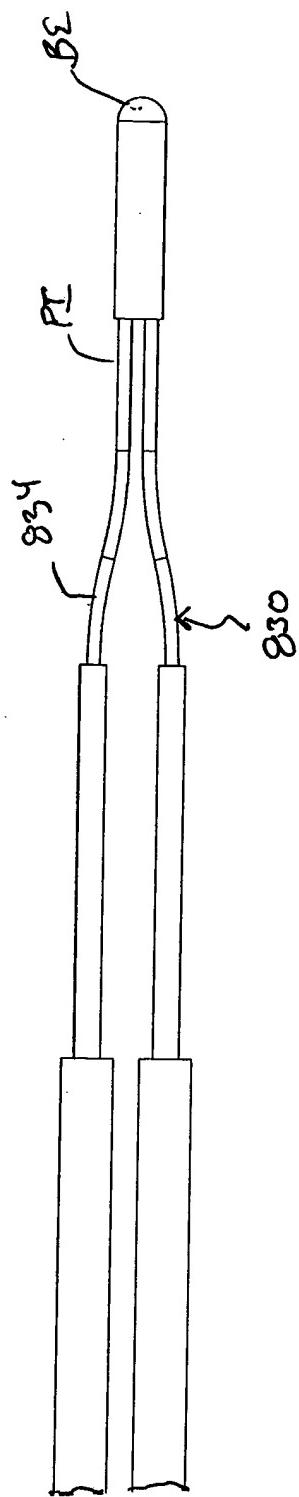


FIG. 110



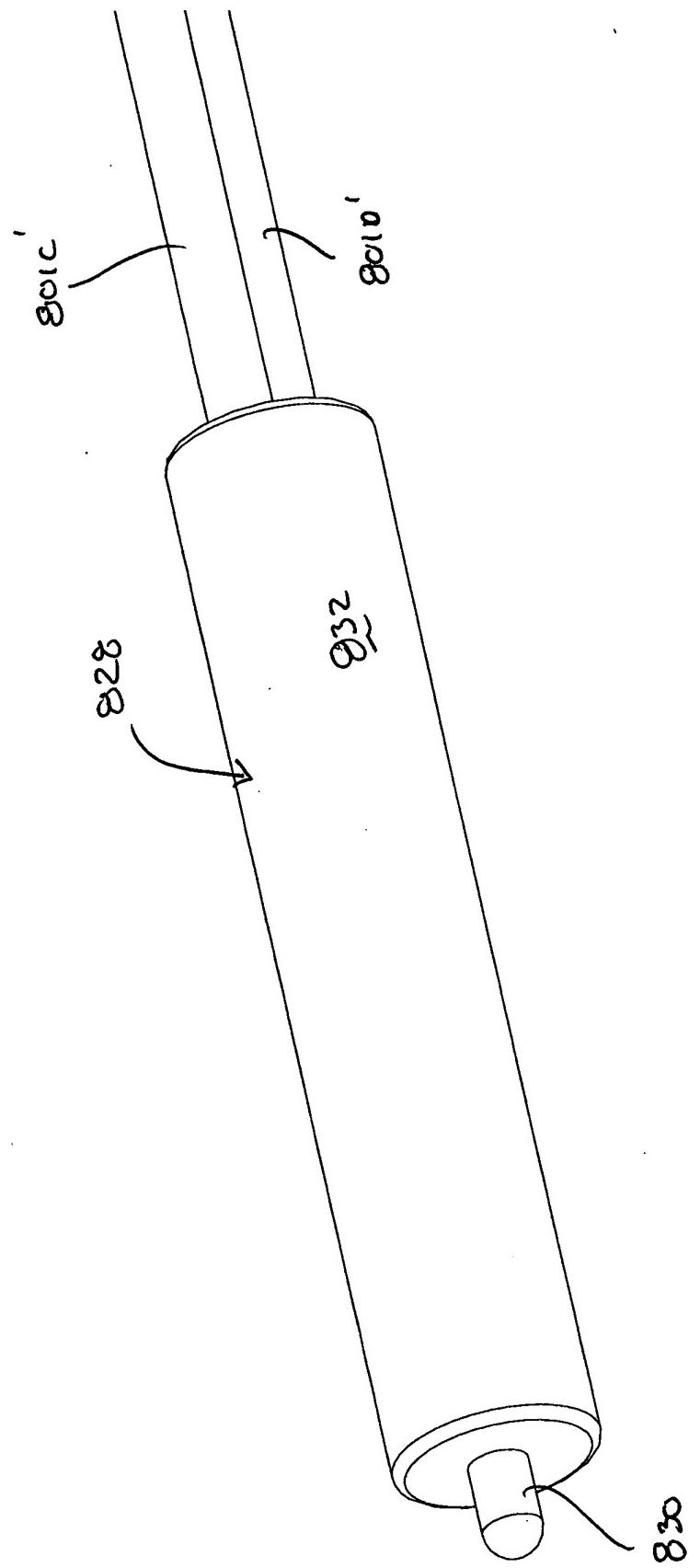


FIG. 110A

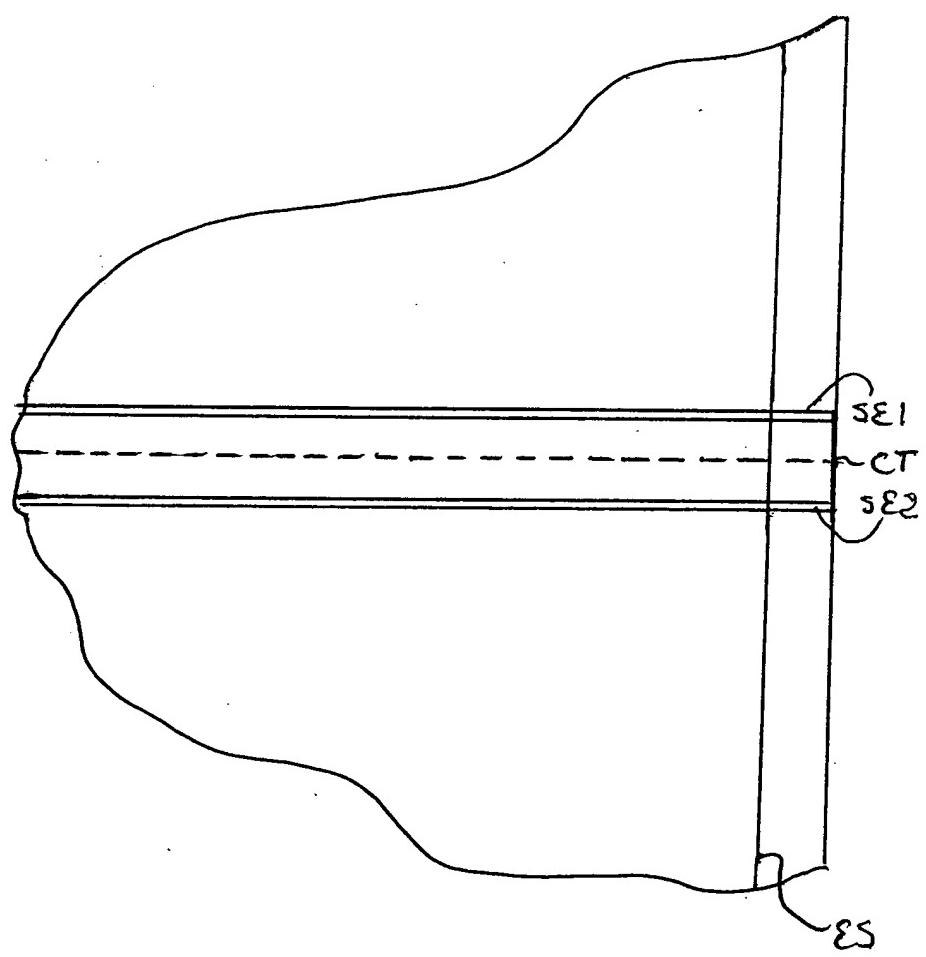
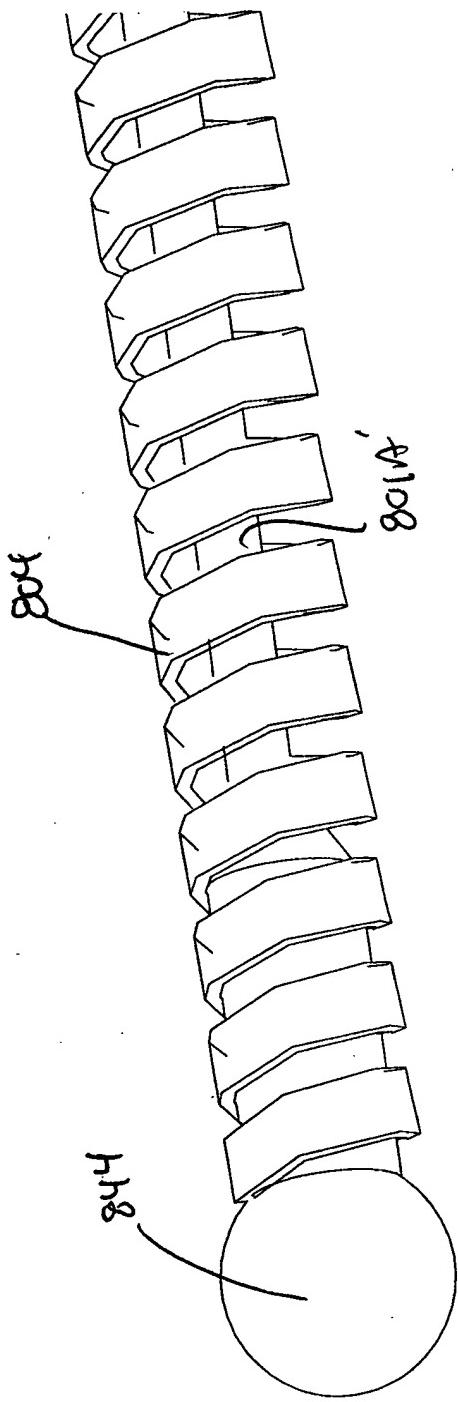


FIG. III

F16.112



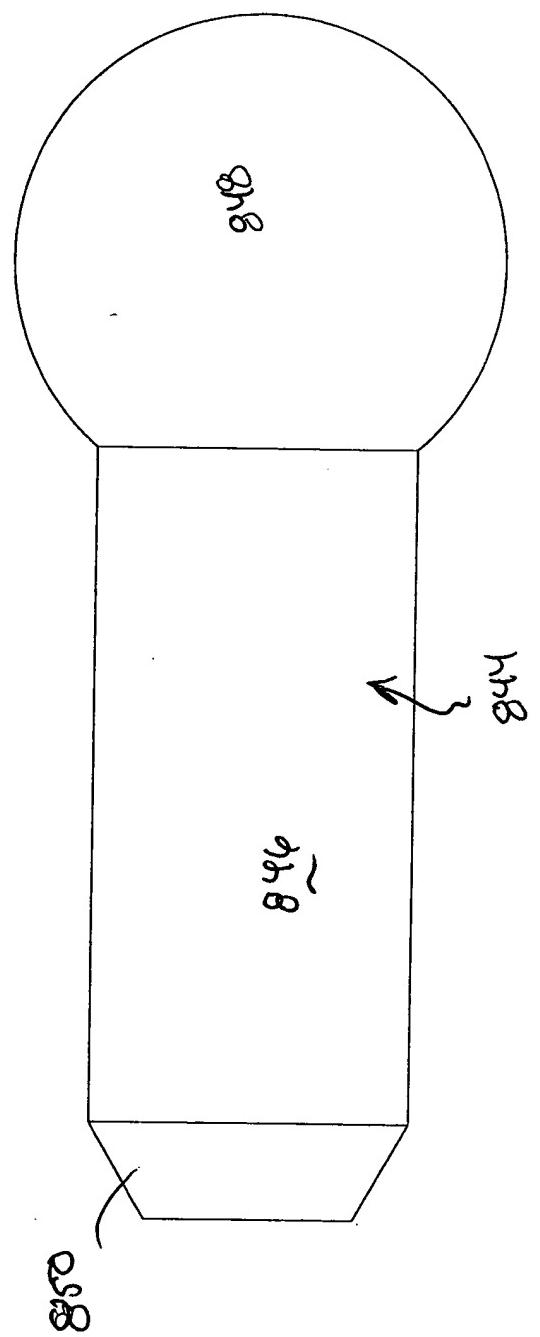
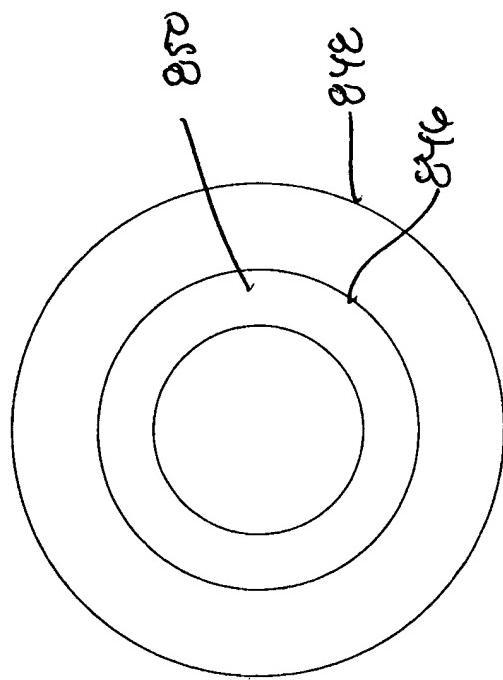


Fig. 113

Fig. 113A



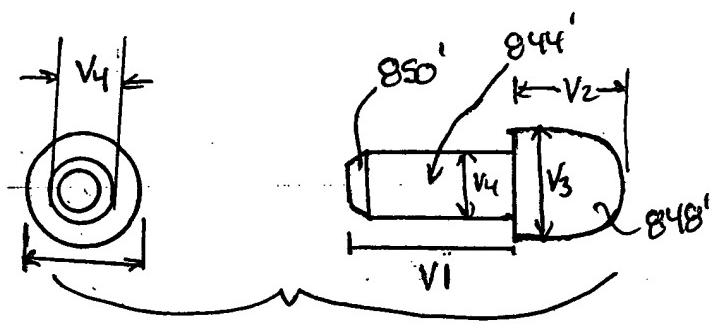
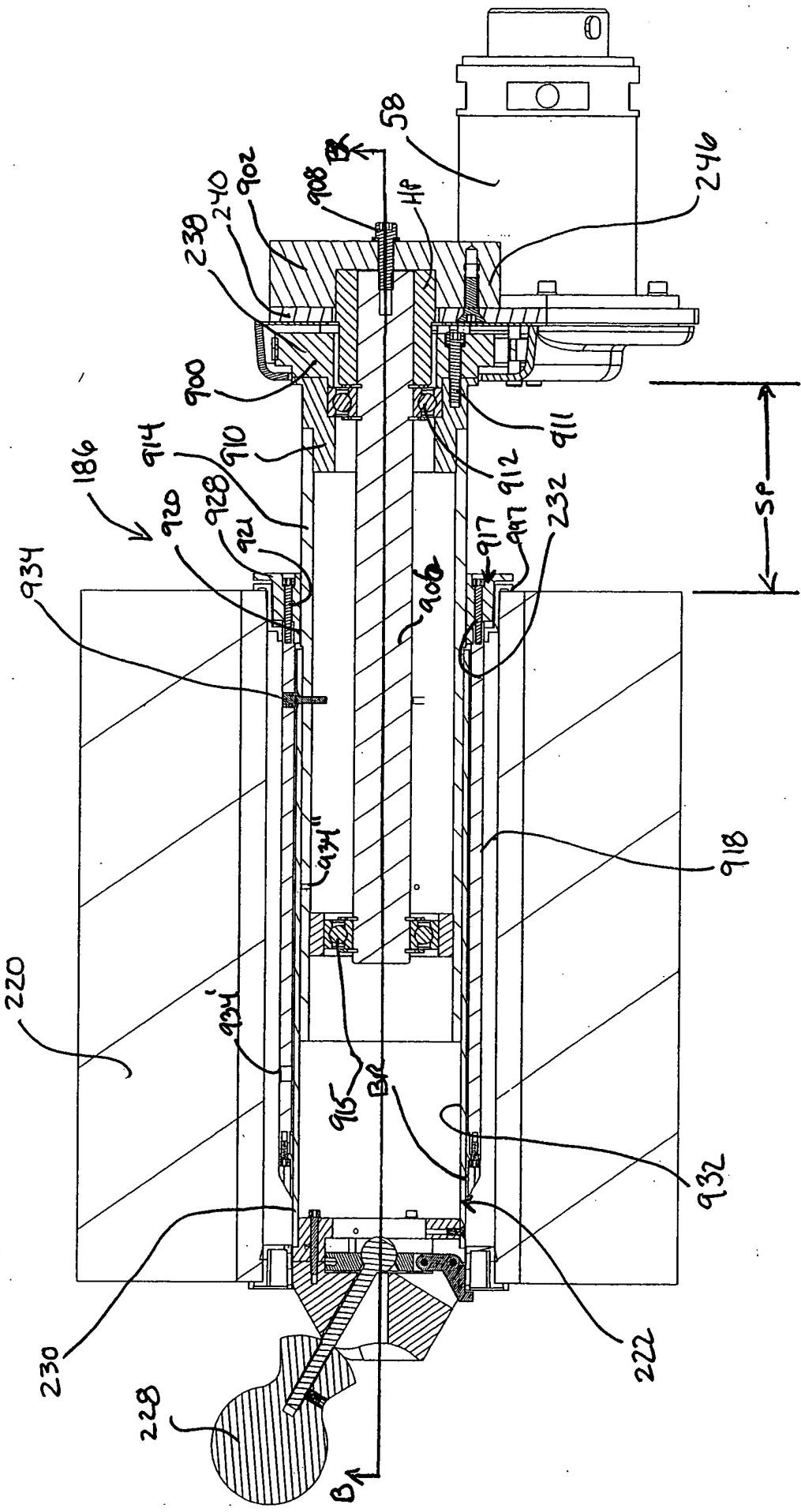
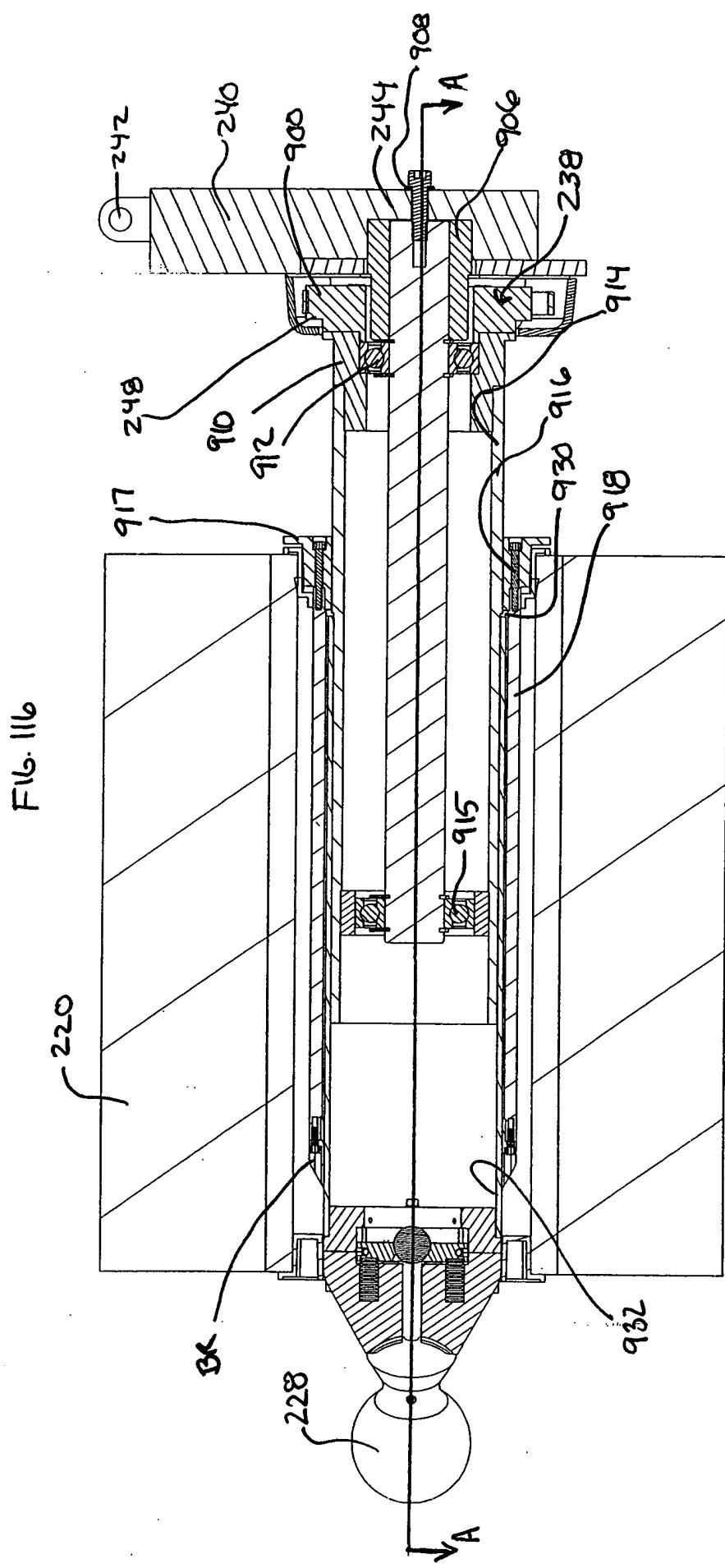
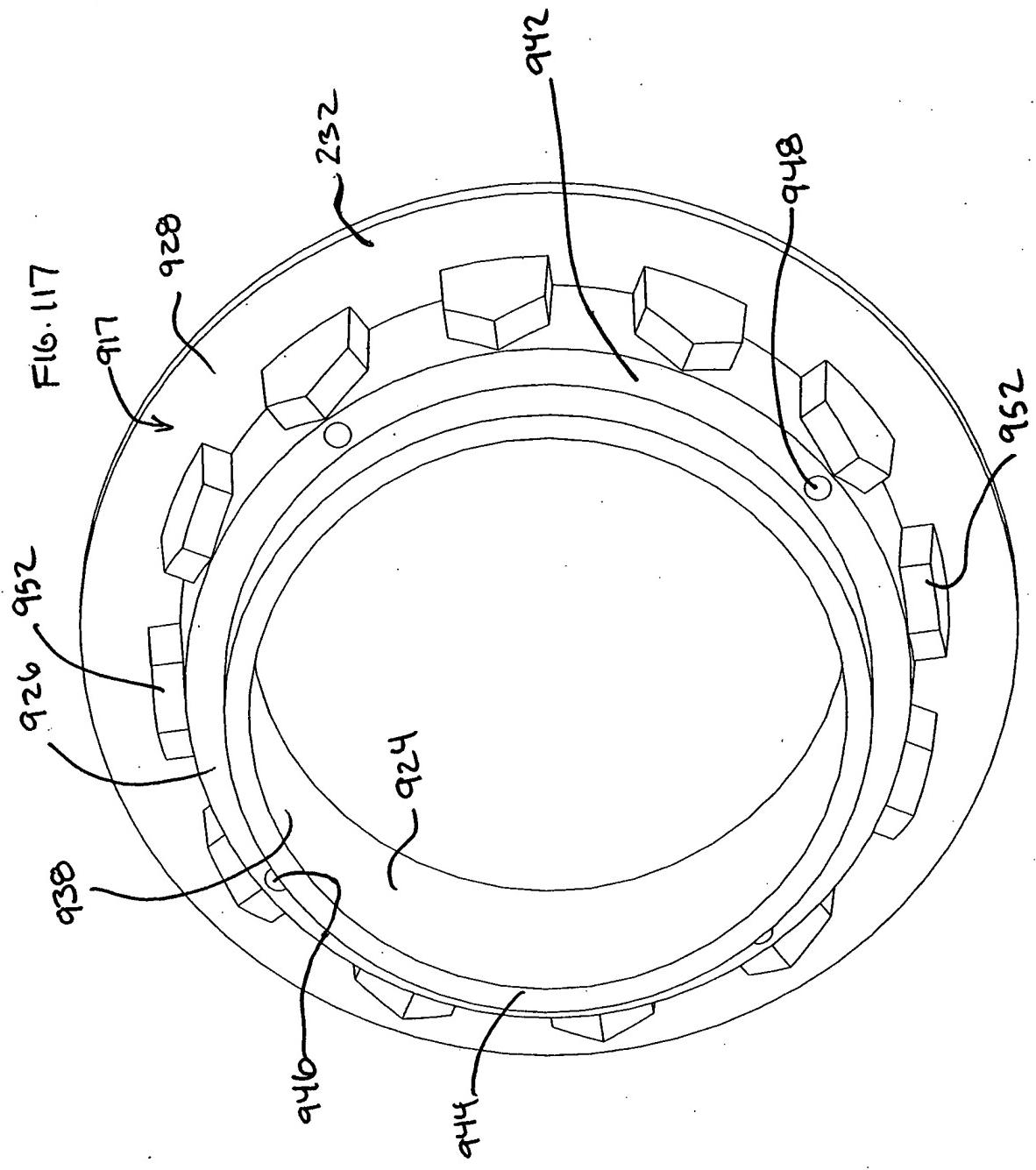


FIG. 114

FIG. 115







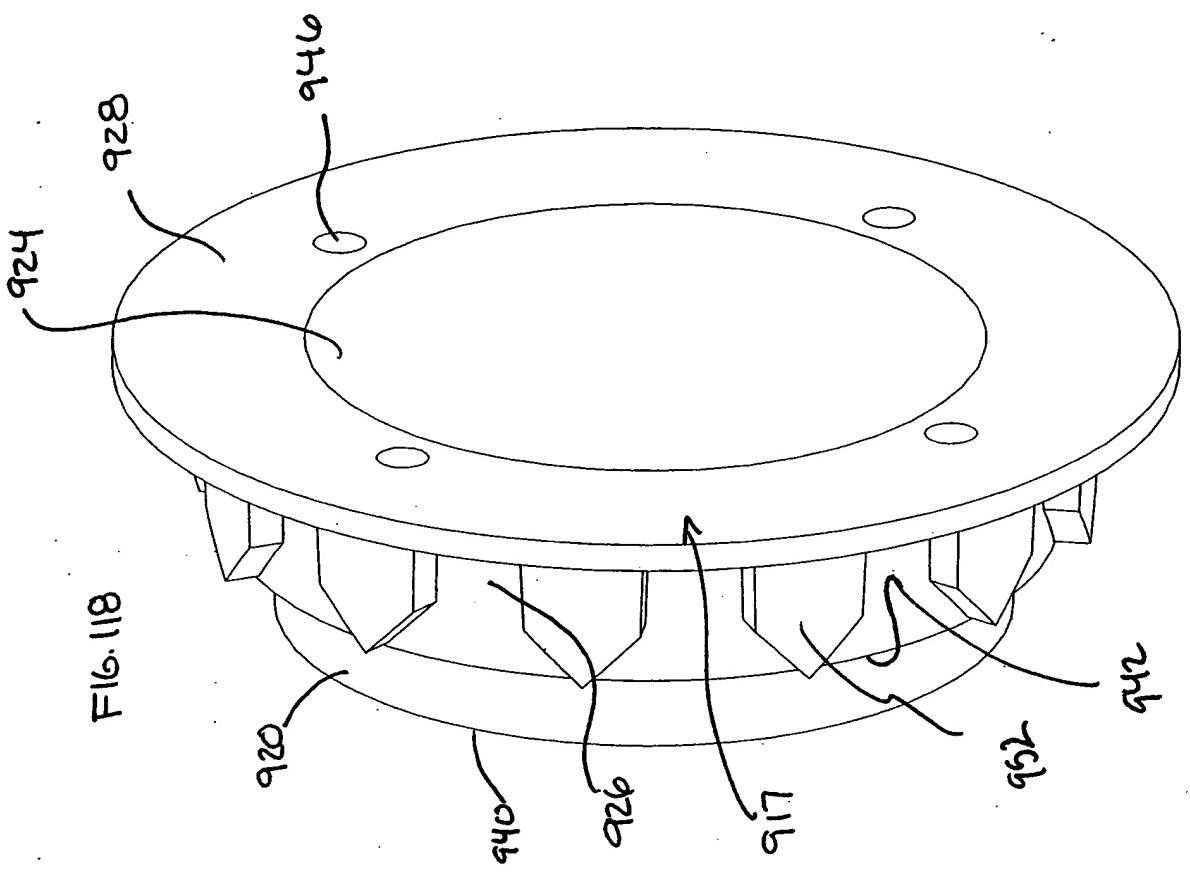
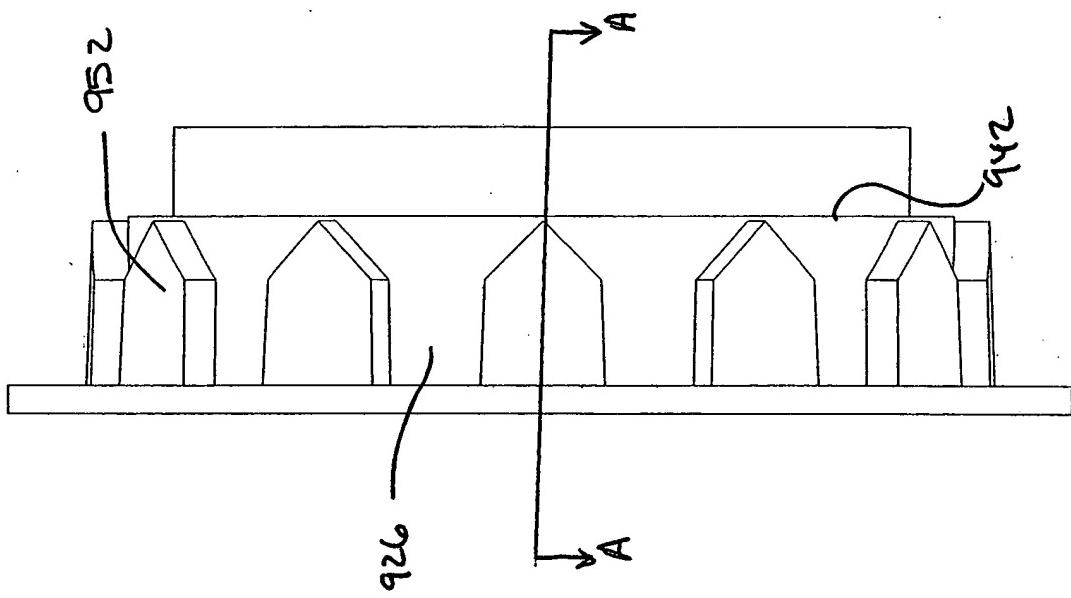
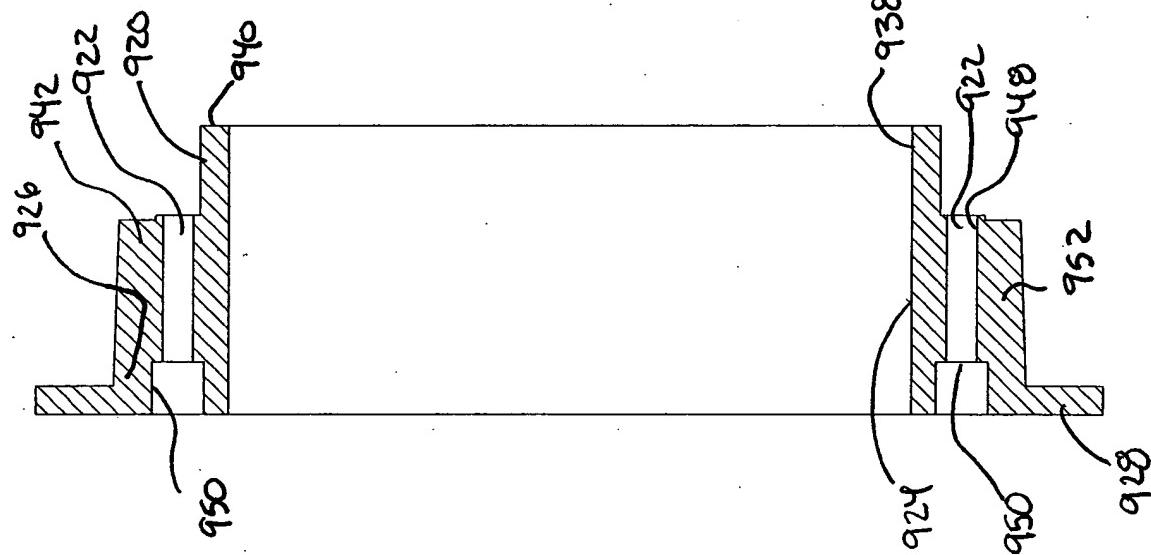


FIG. 119



F16.120



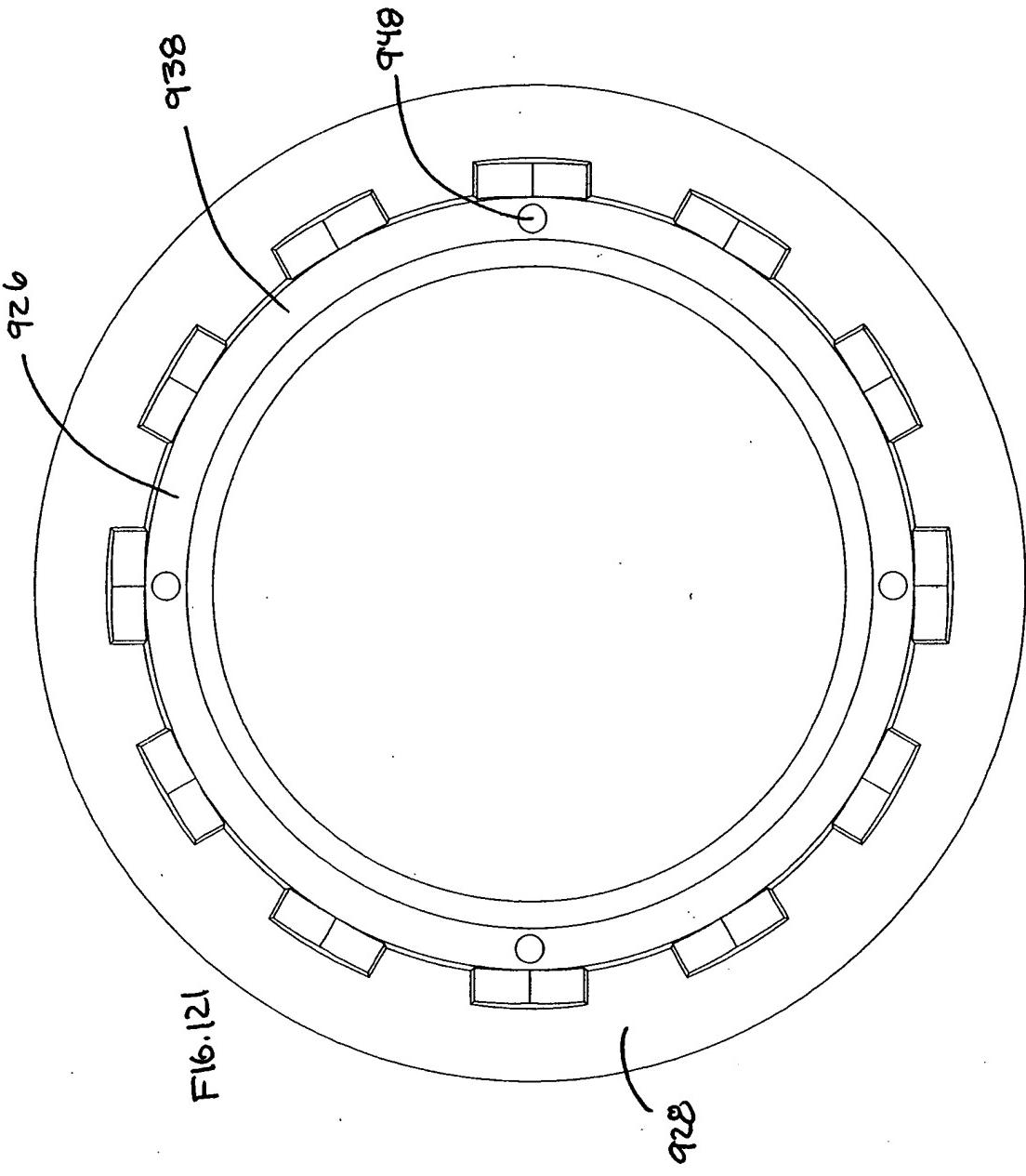
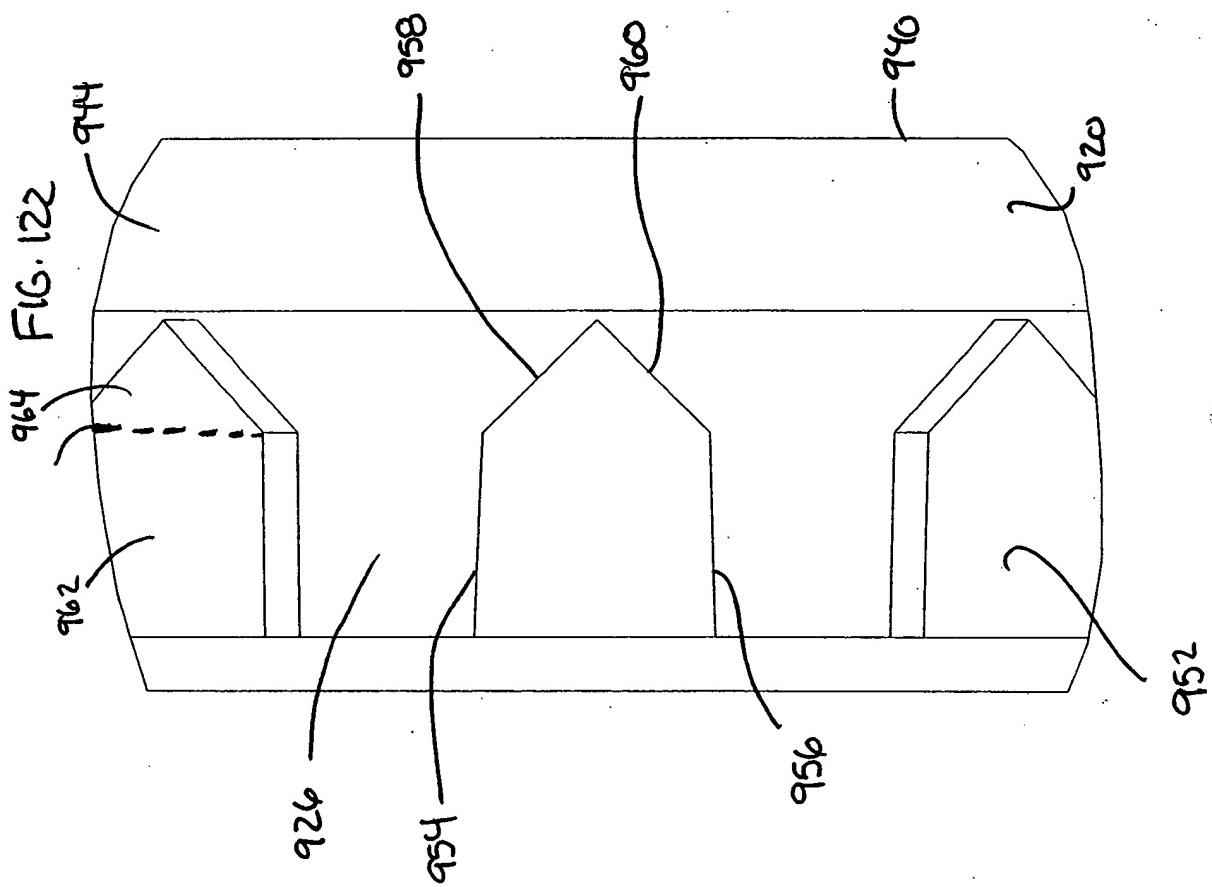


FIG. 122



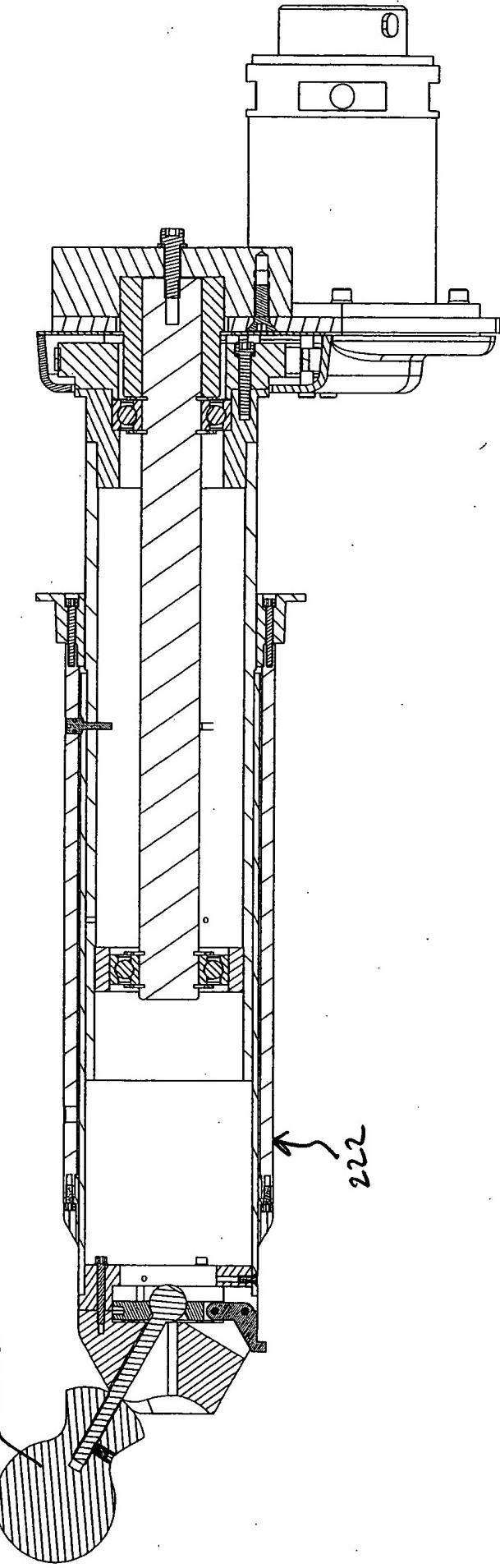


Fig. 123

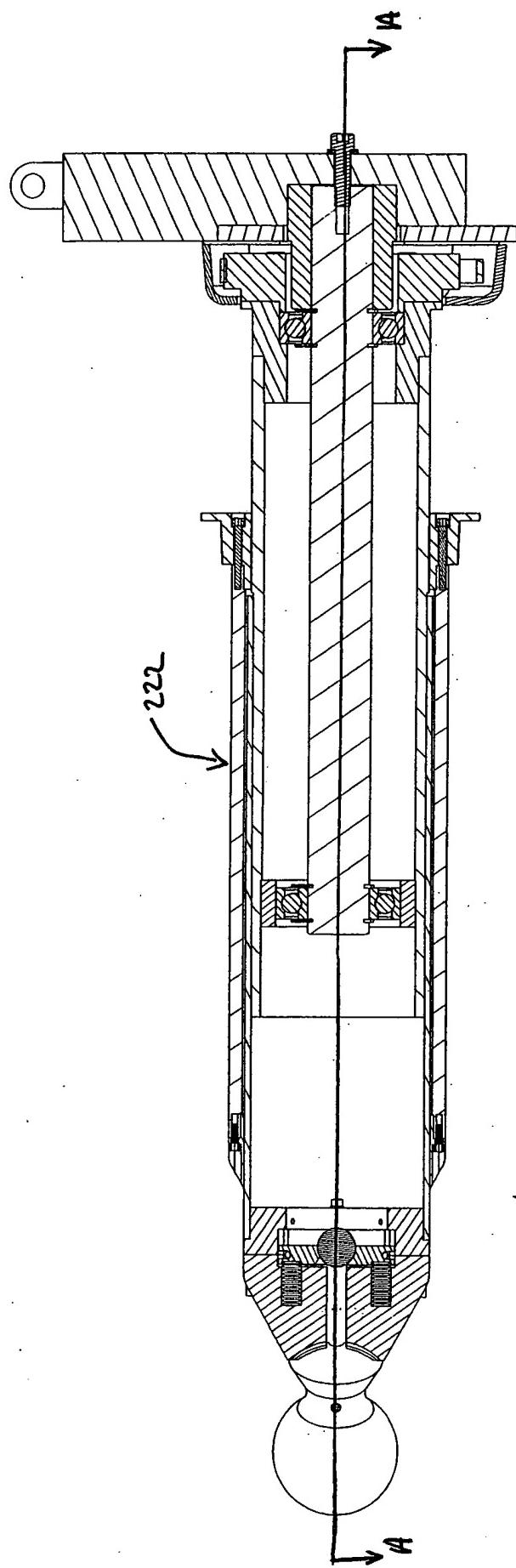


Fig. 124

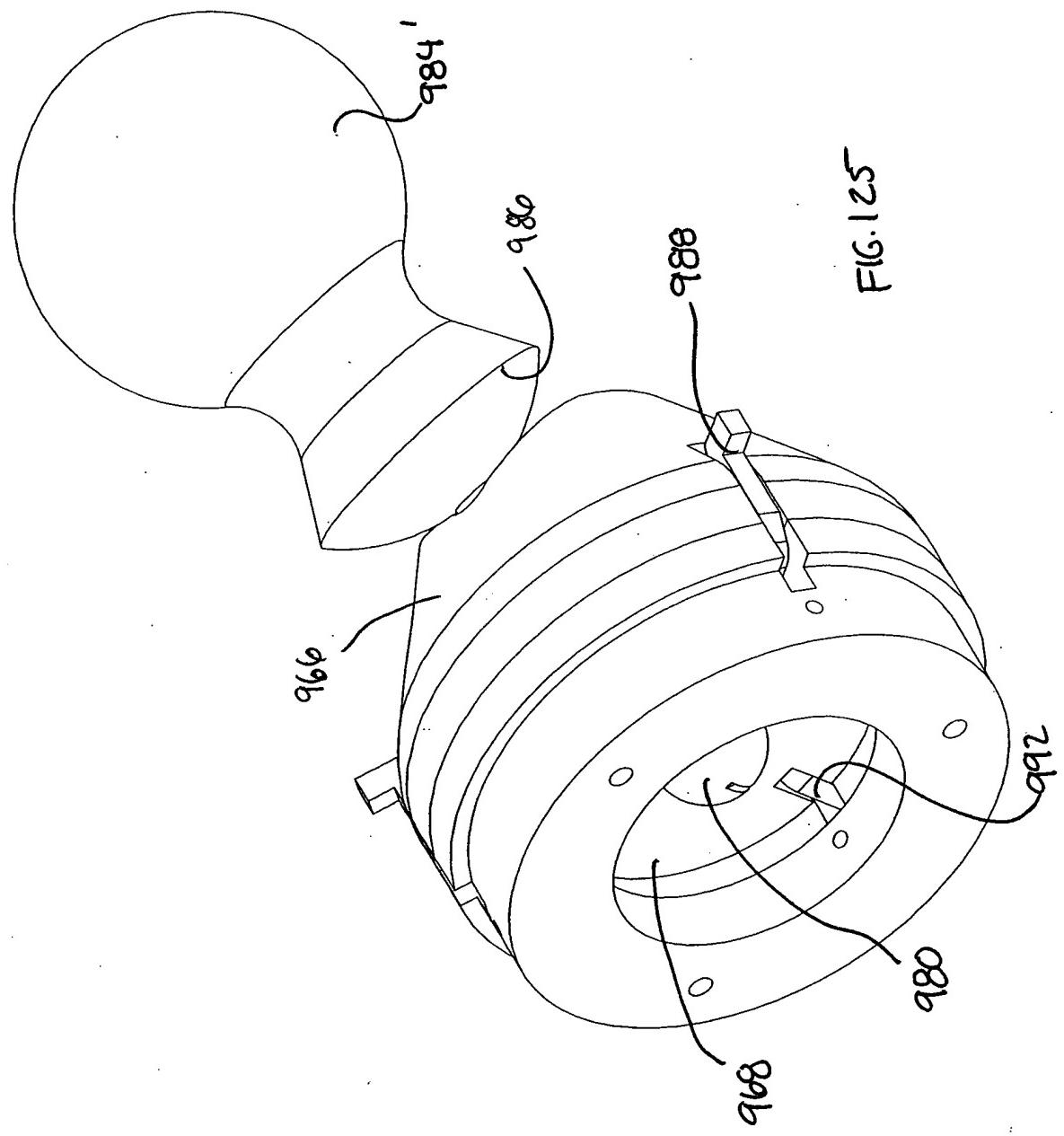
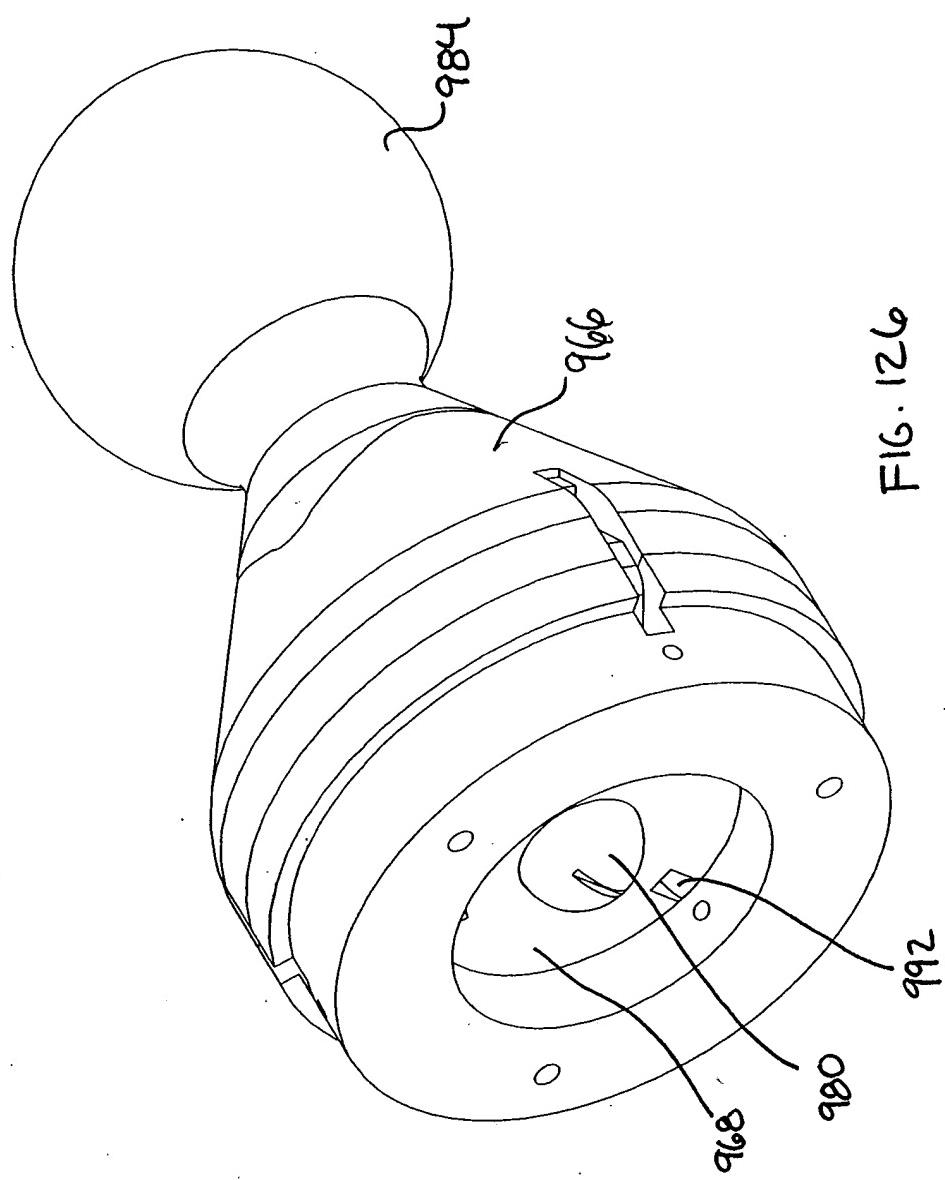


FIG. 125



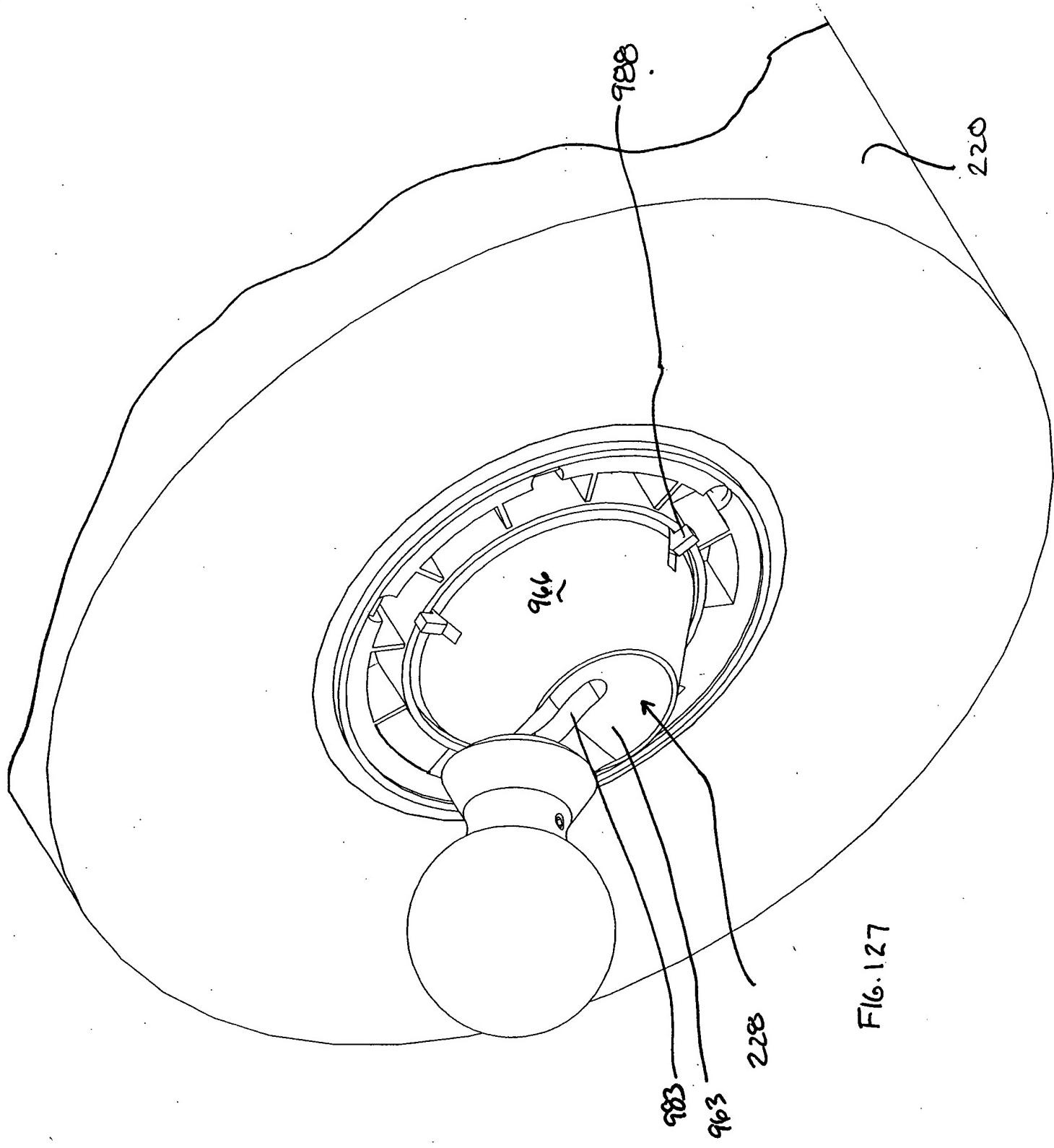


Fig. 127

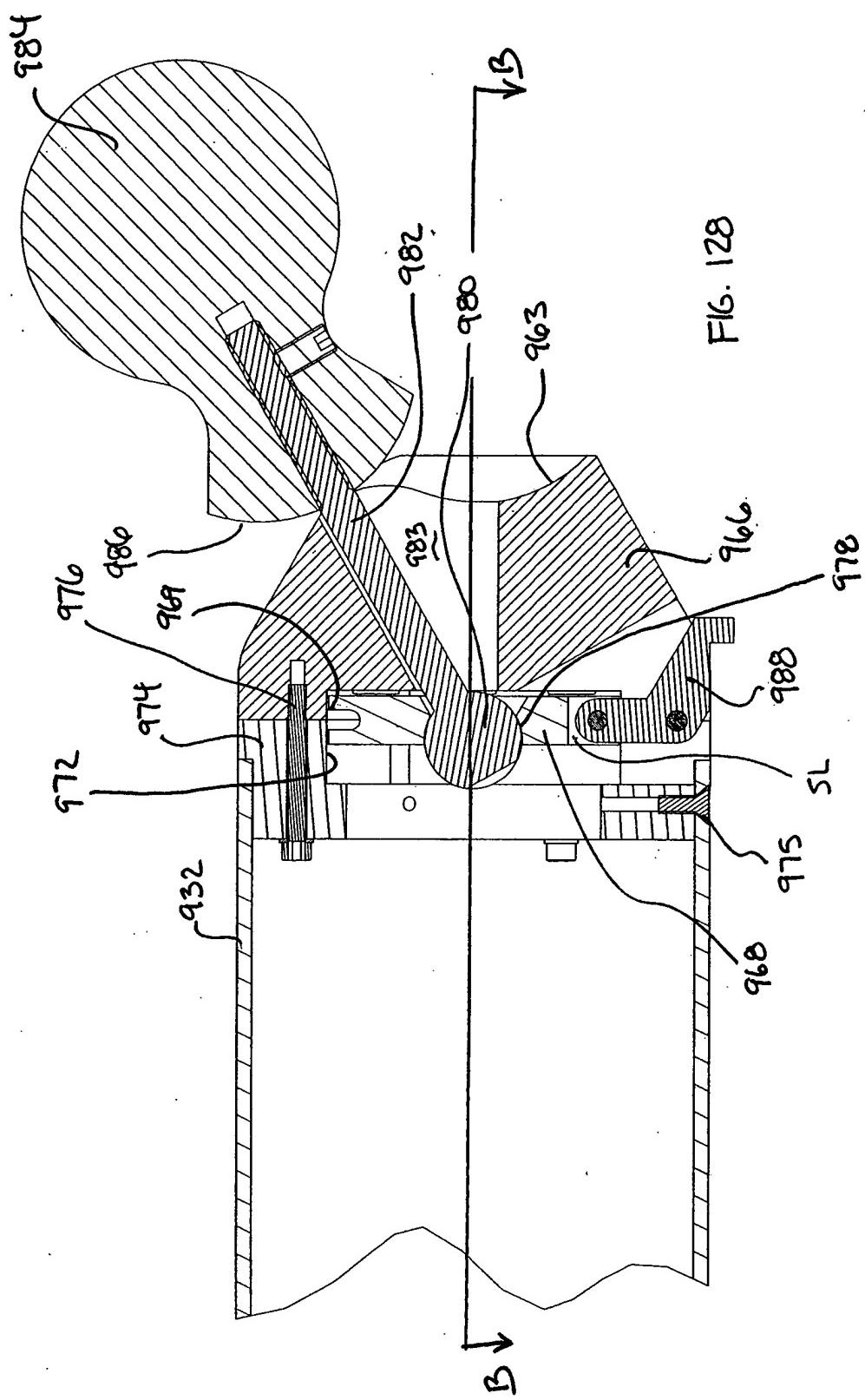
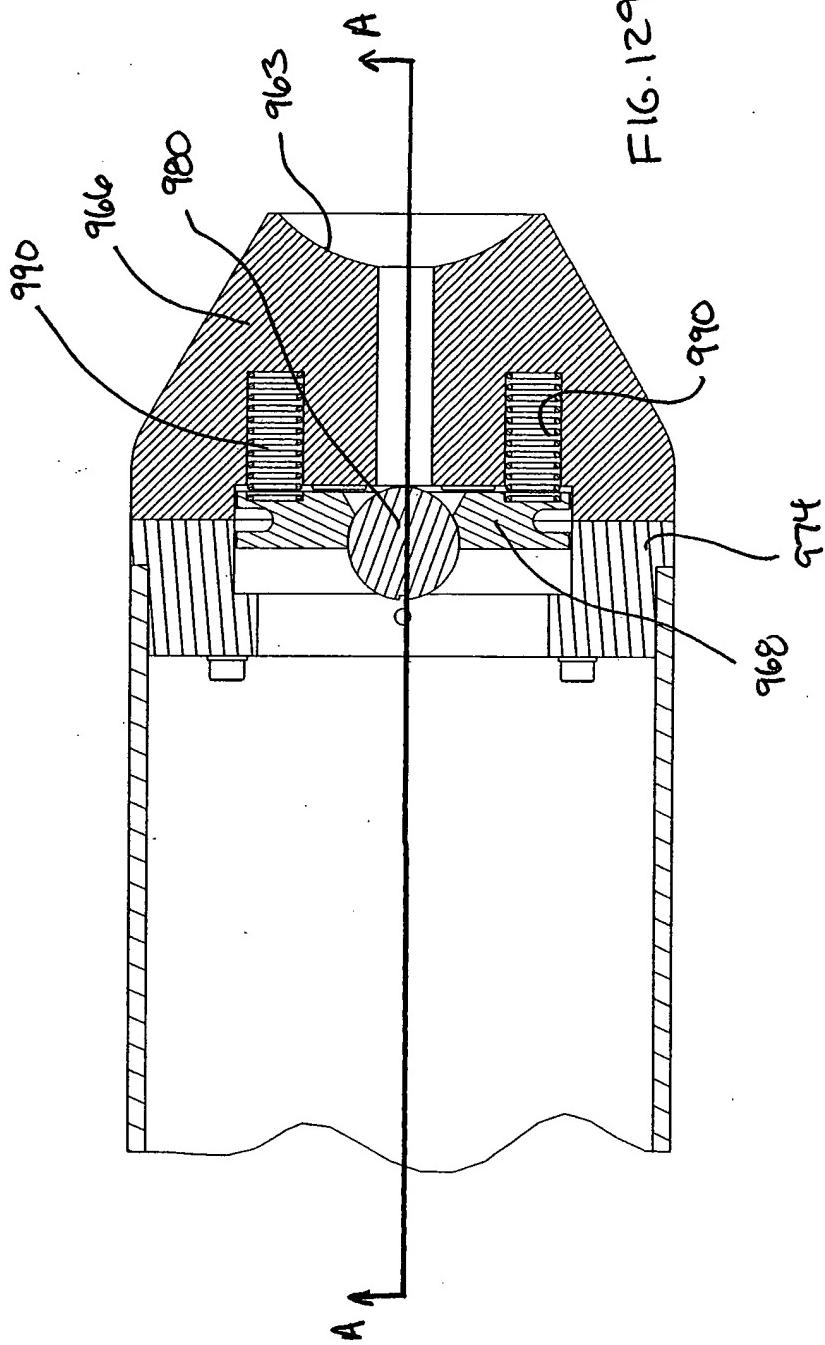


FIG. 129



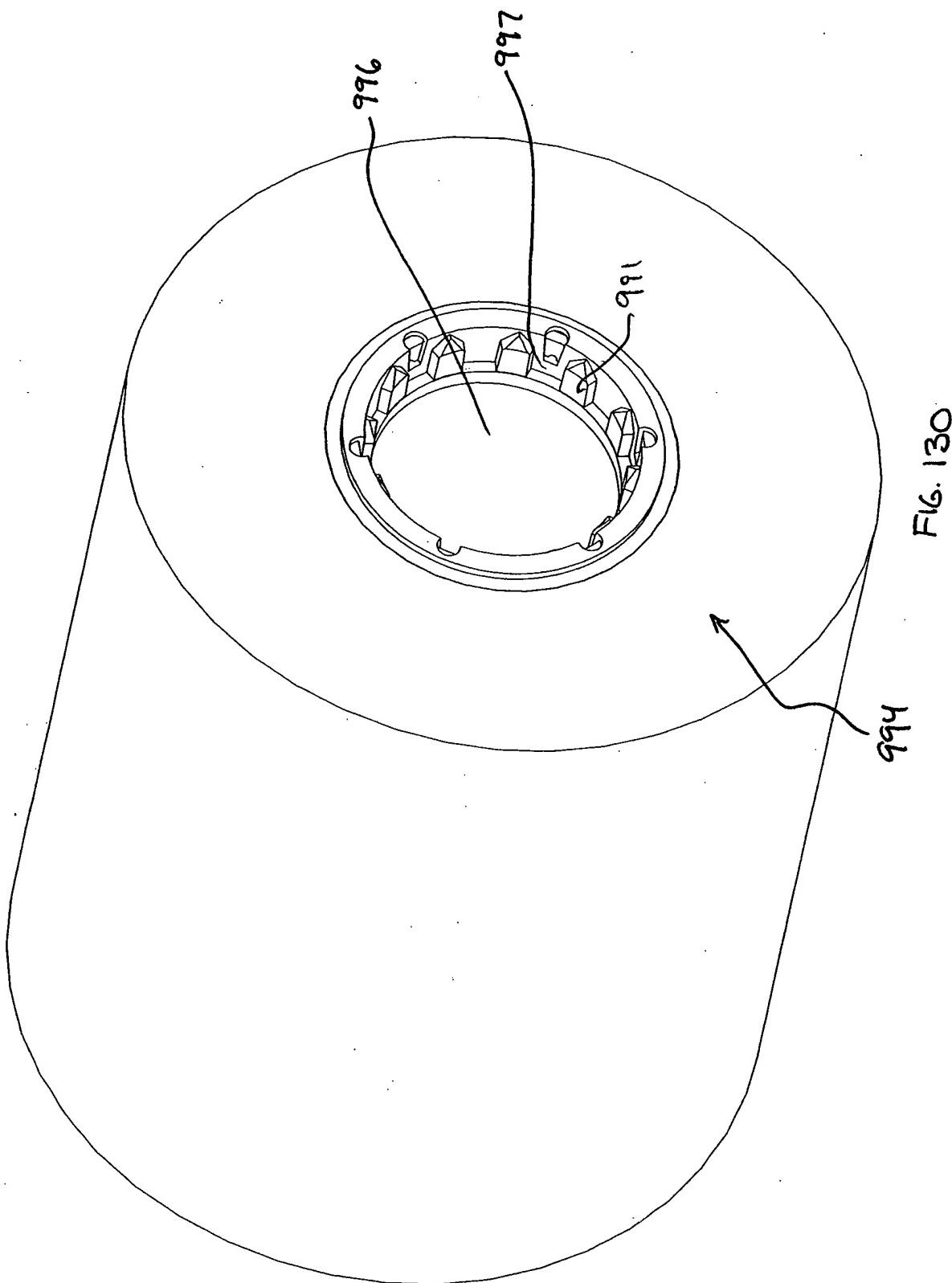


FIG. 130

FIG.131

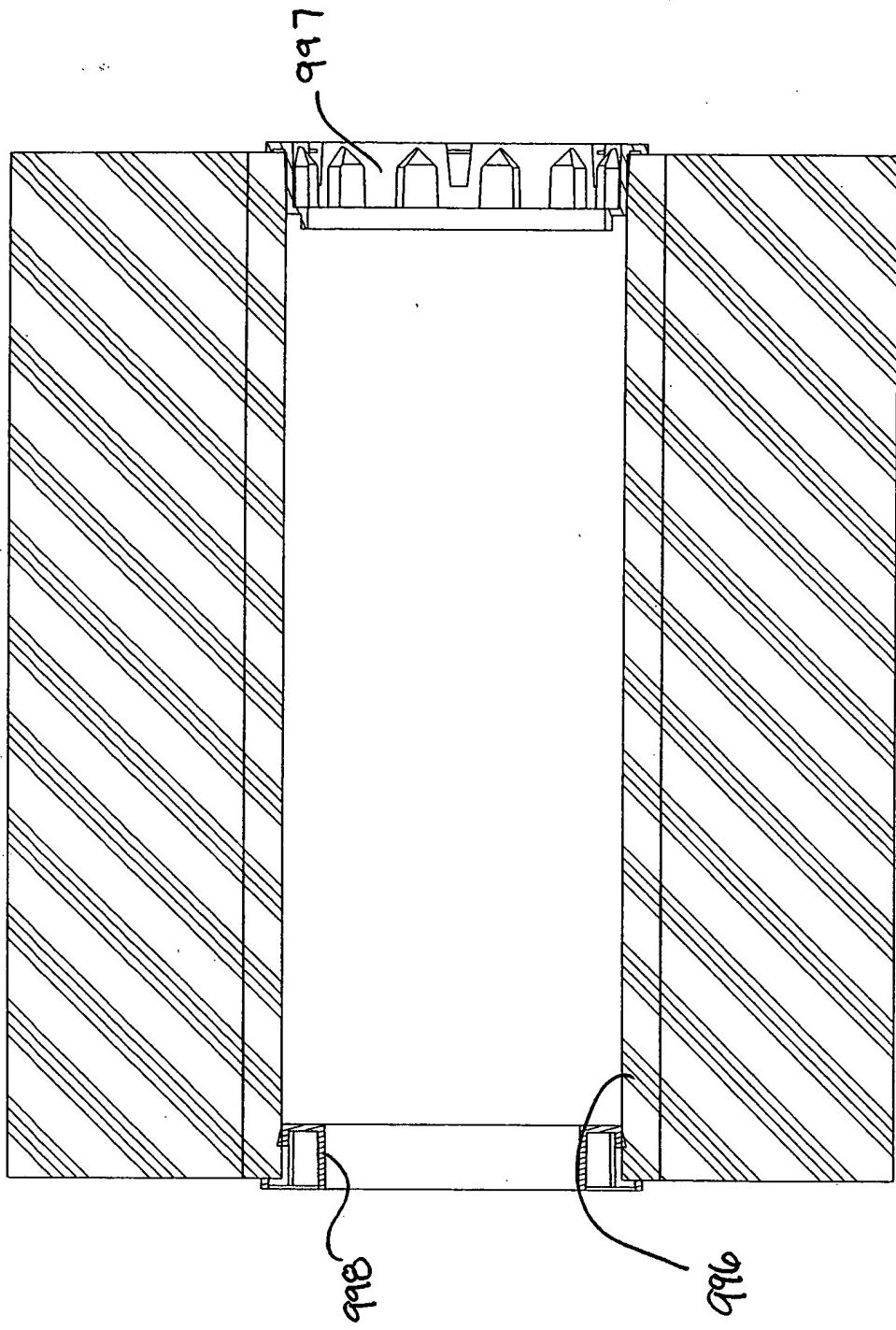


FIG. 132

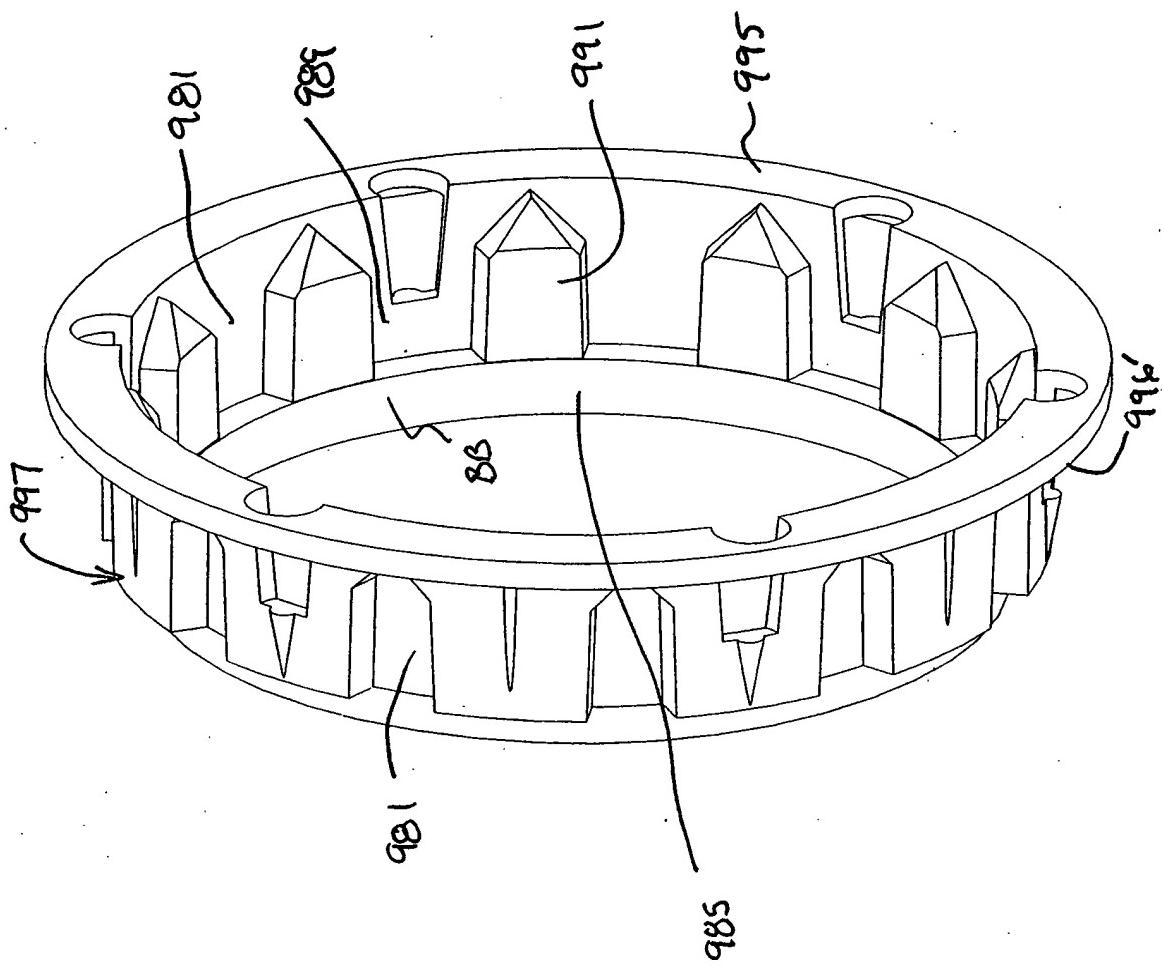
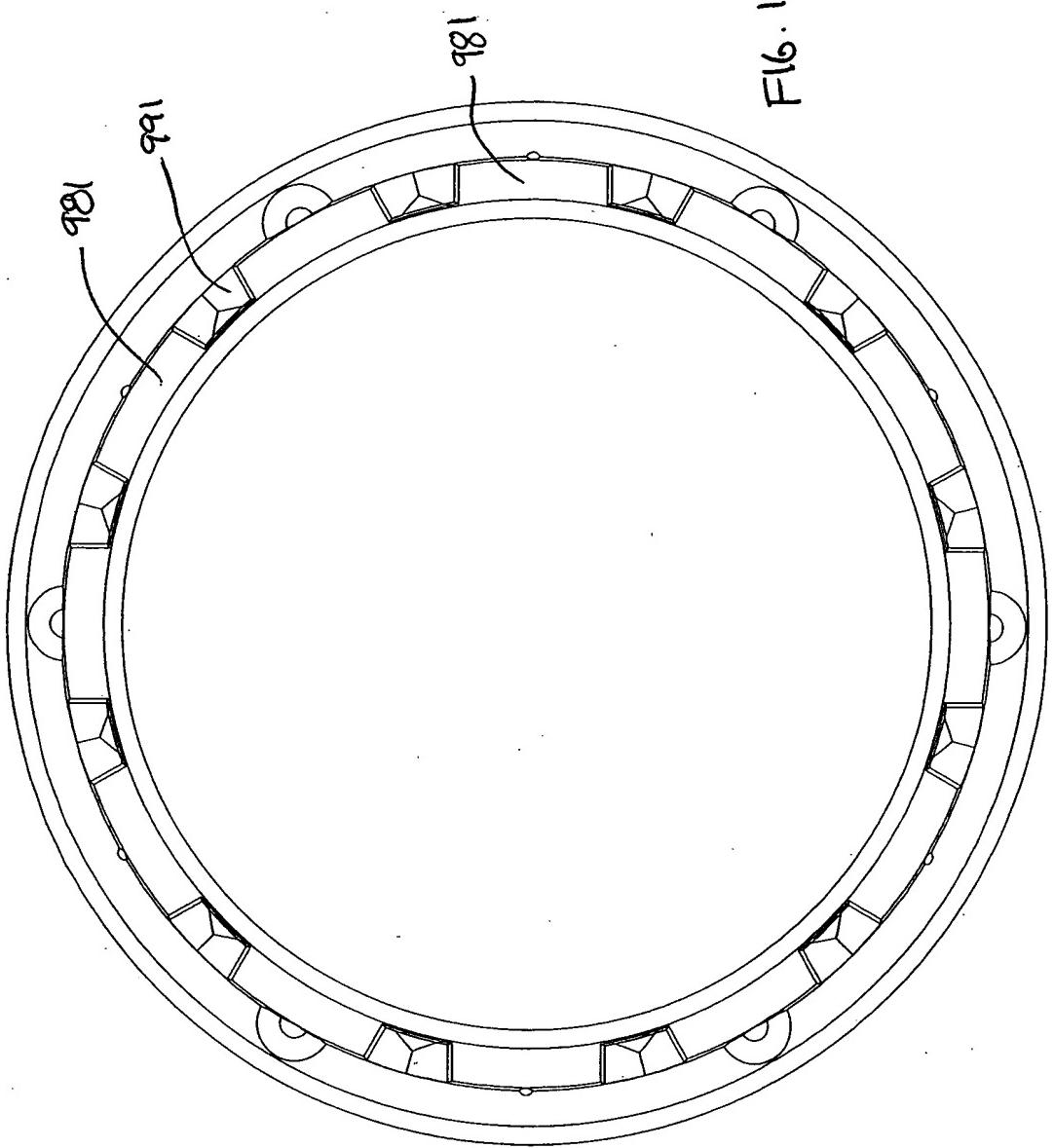


FIG. 133



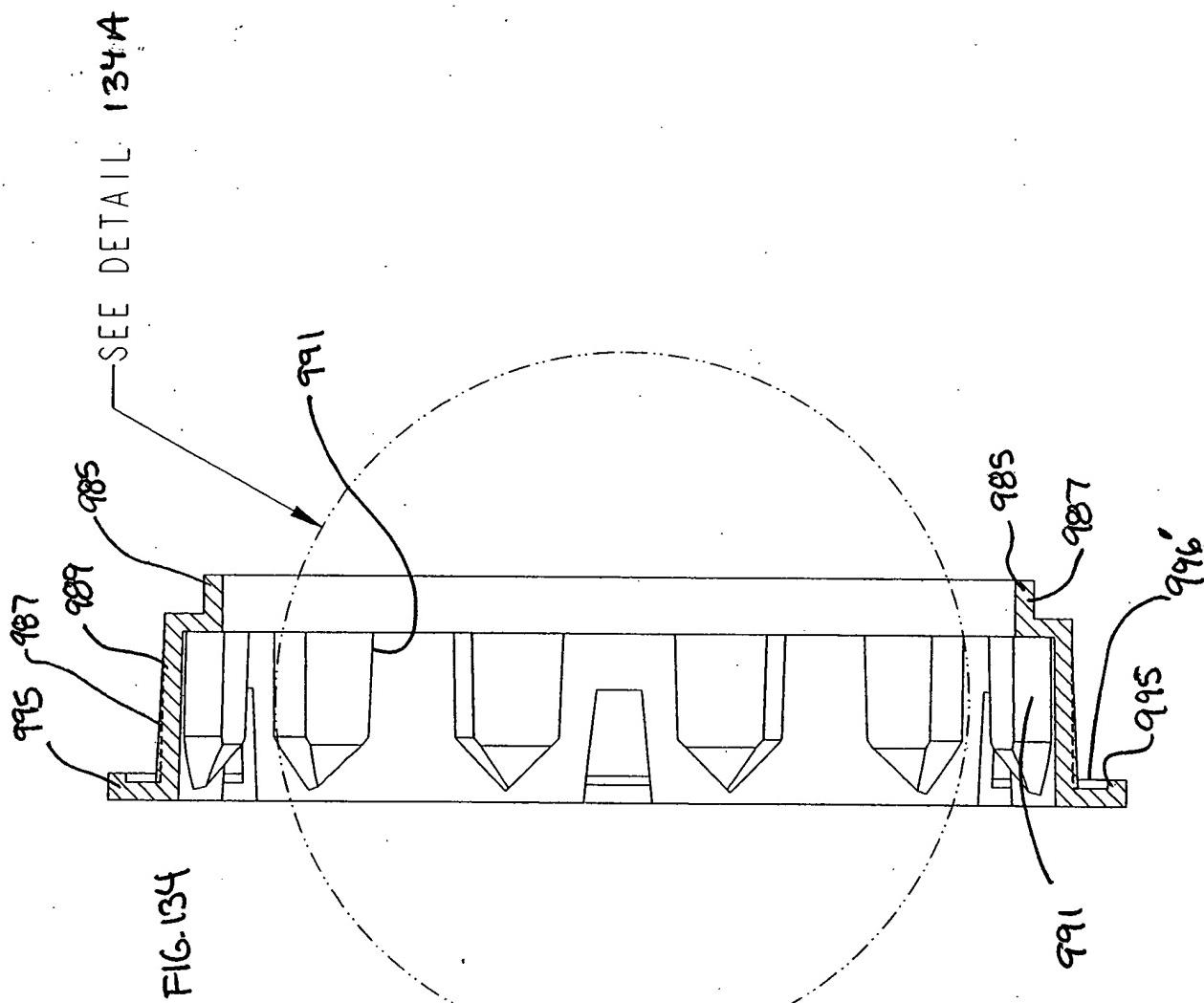
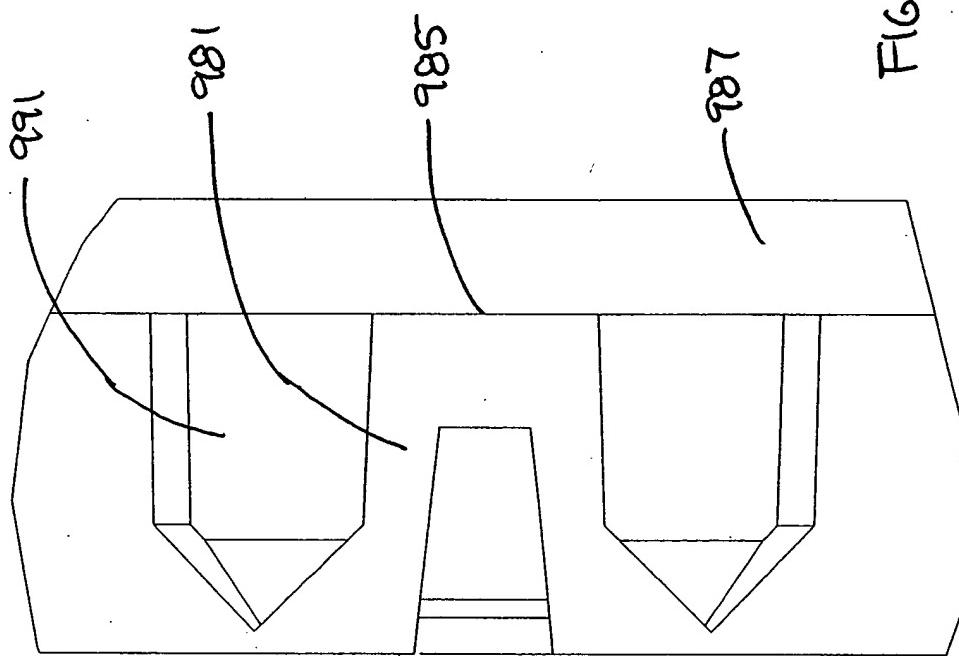
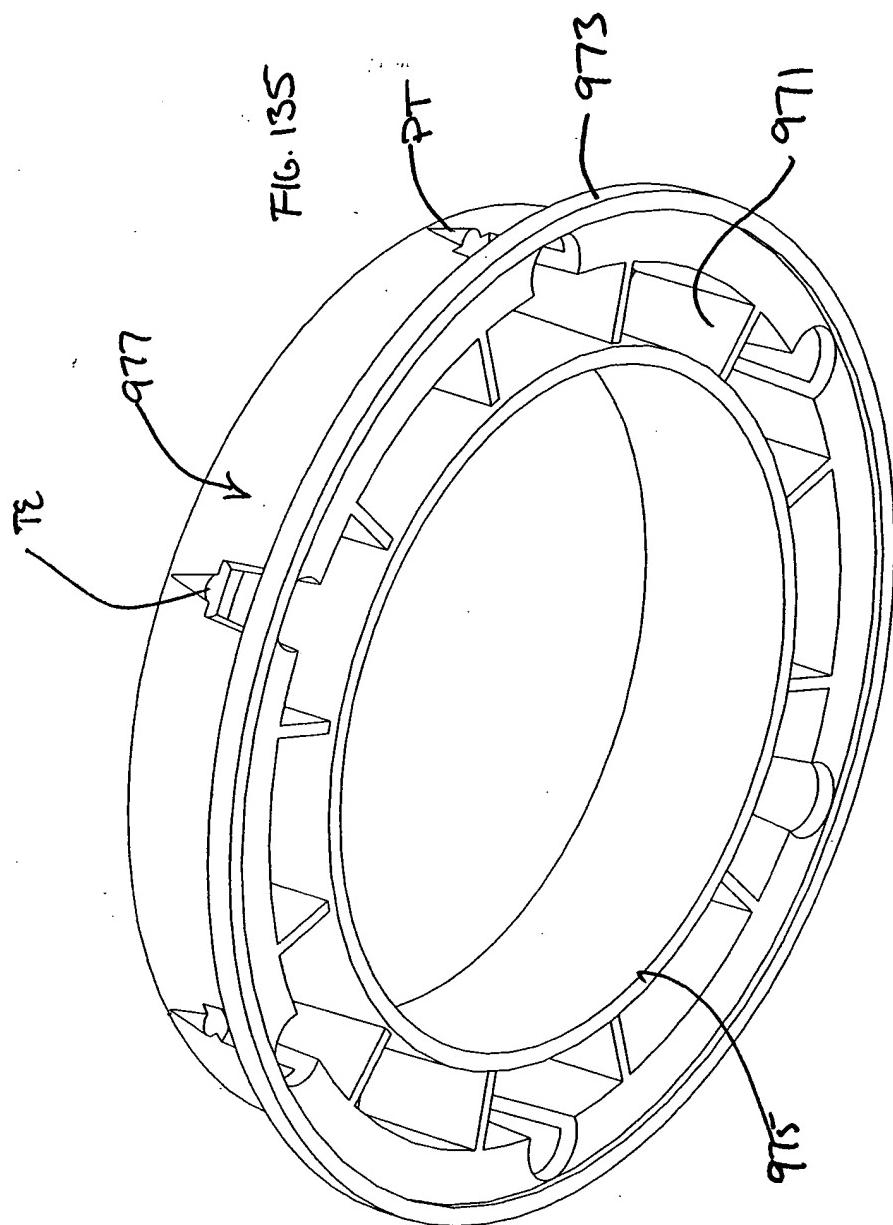


FIG. 134A





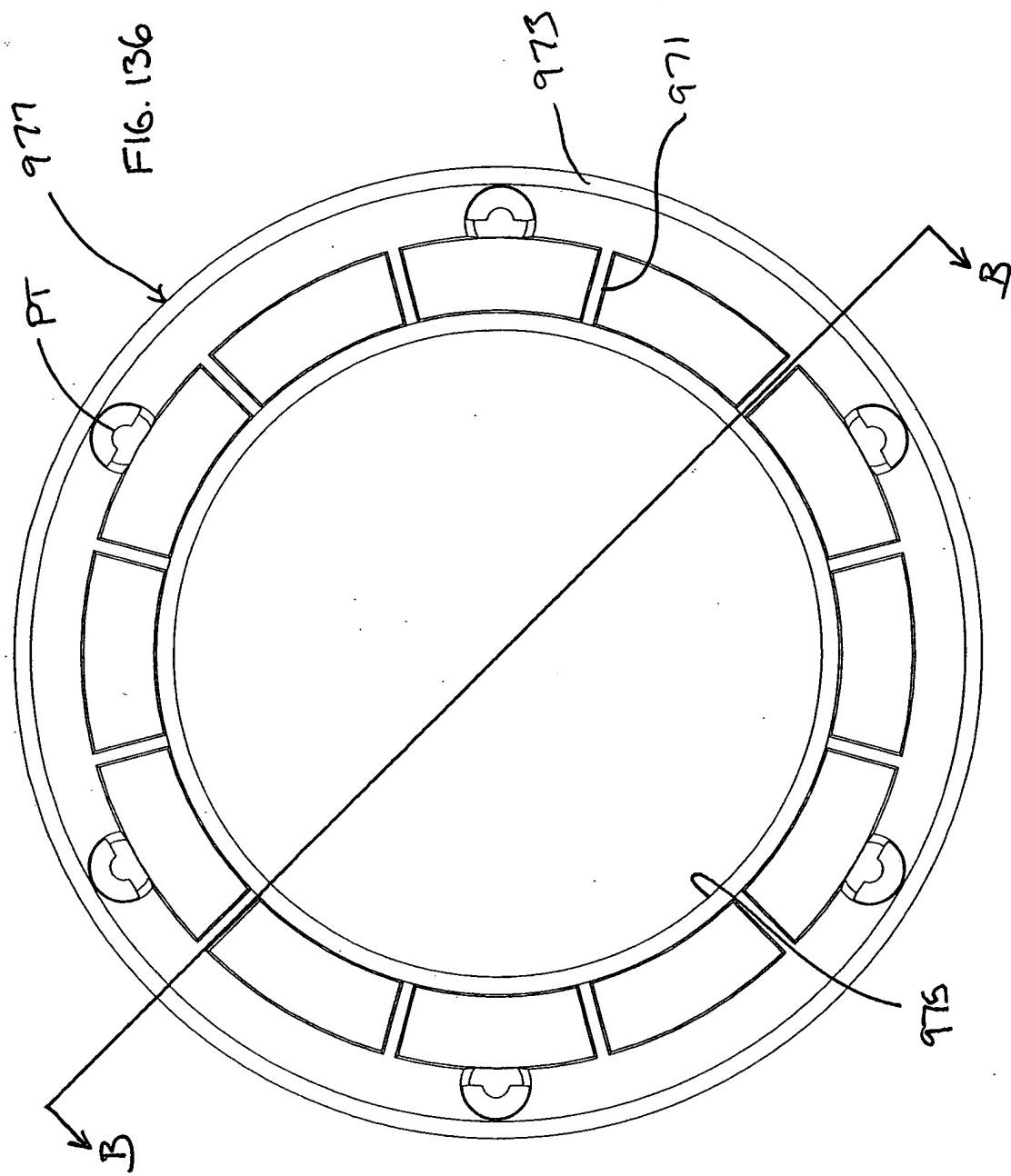
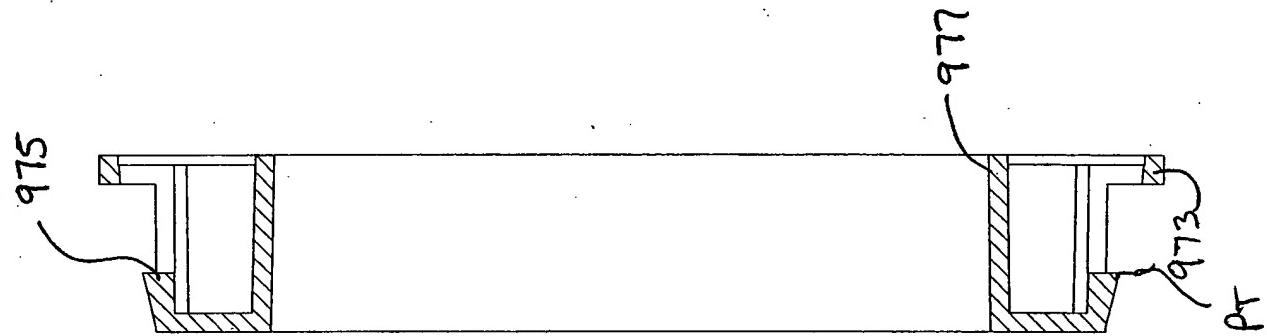
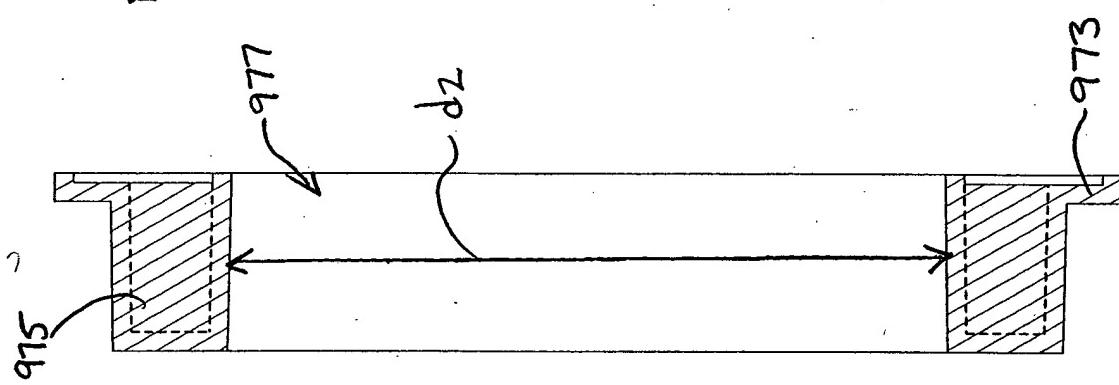
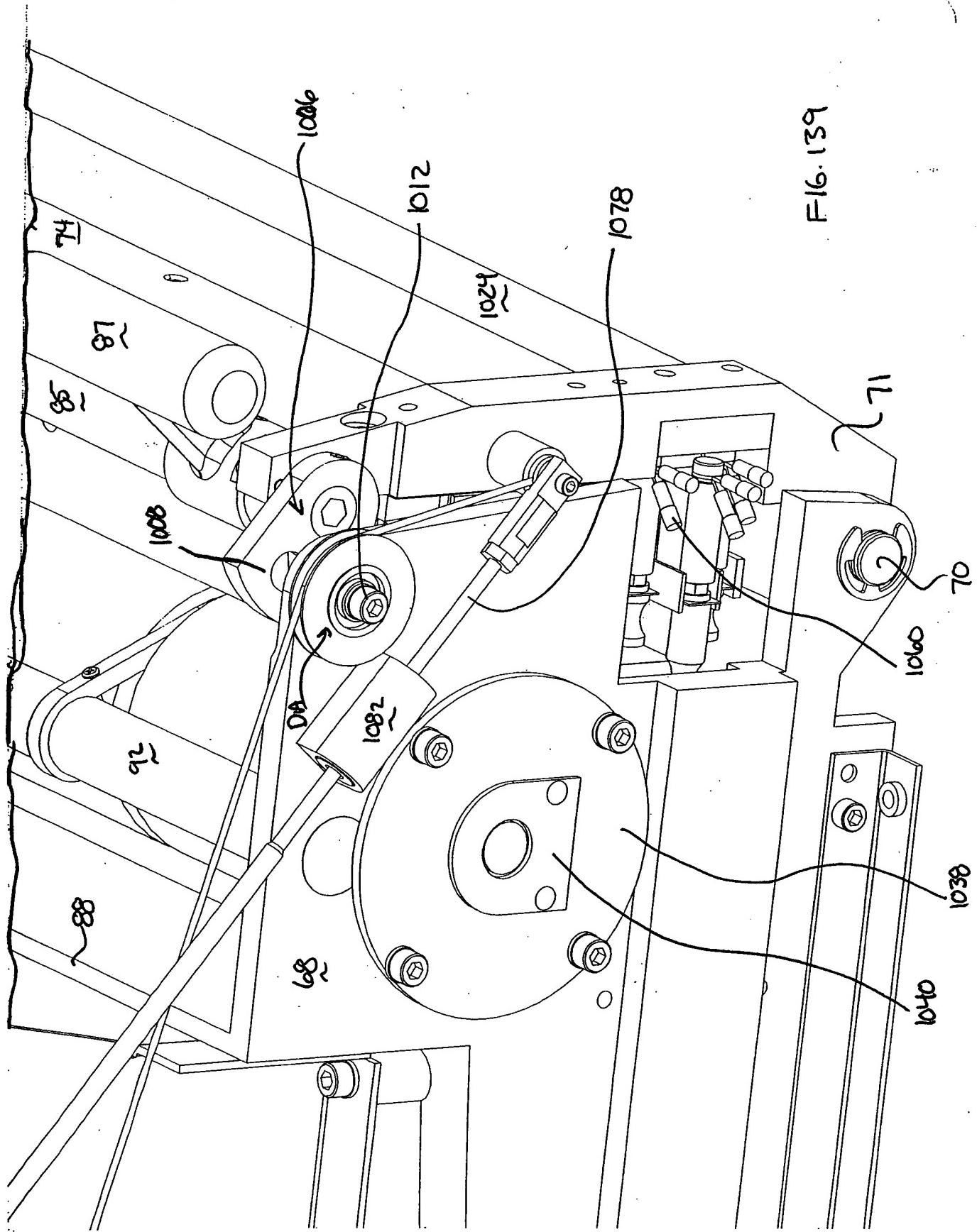


FIG. 137

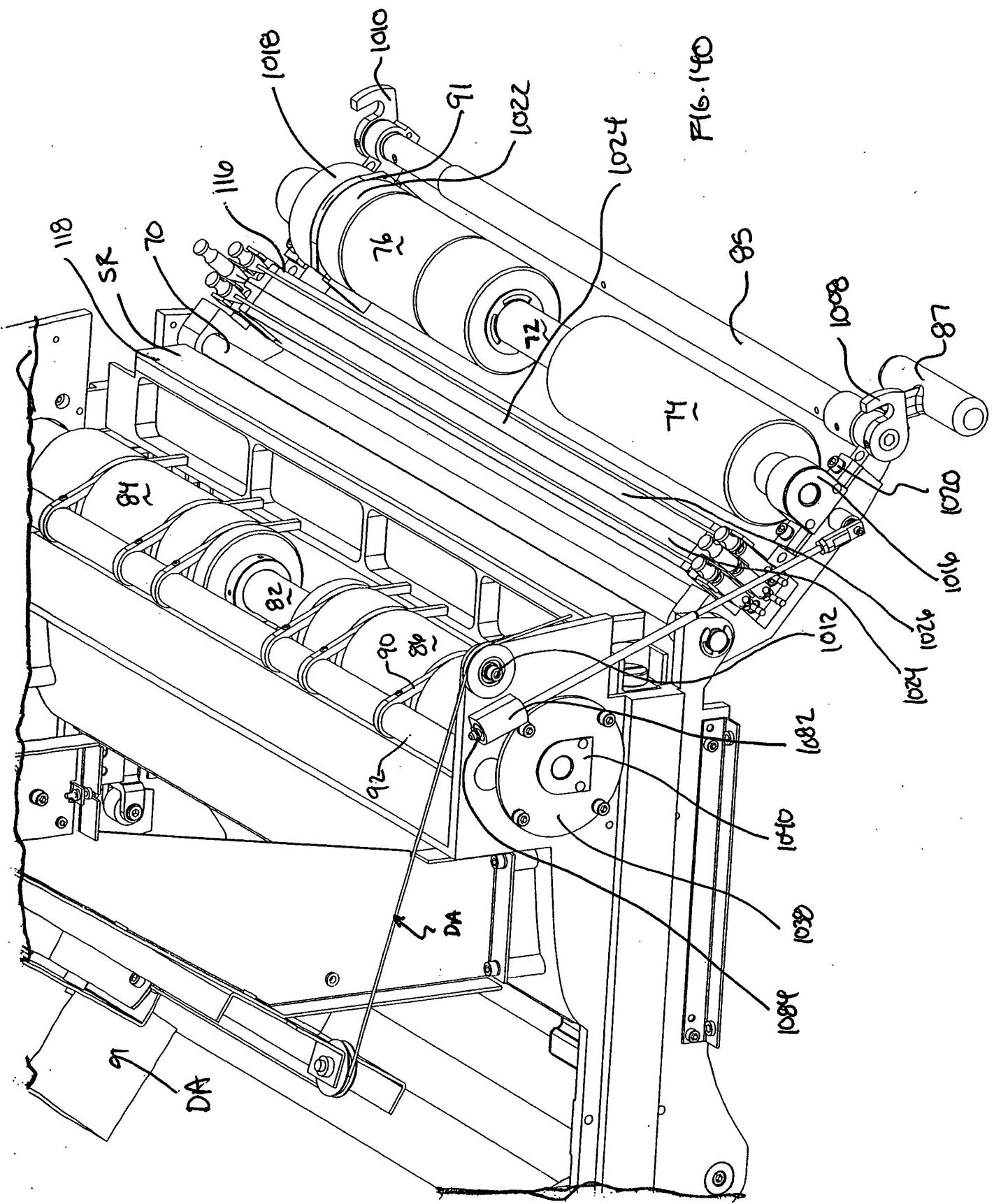


F16.138





F16.139



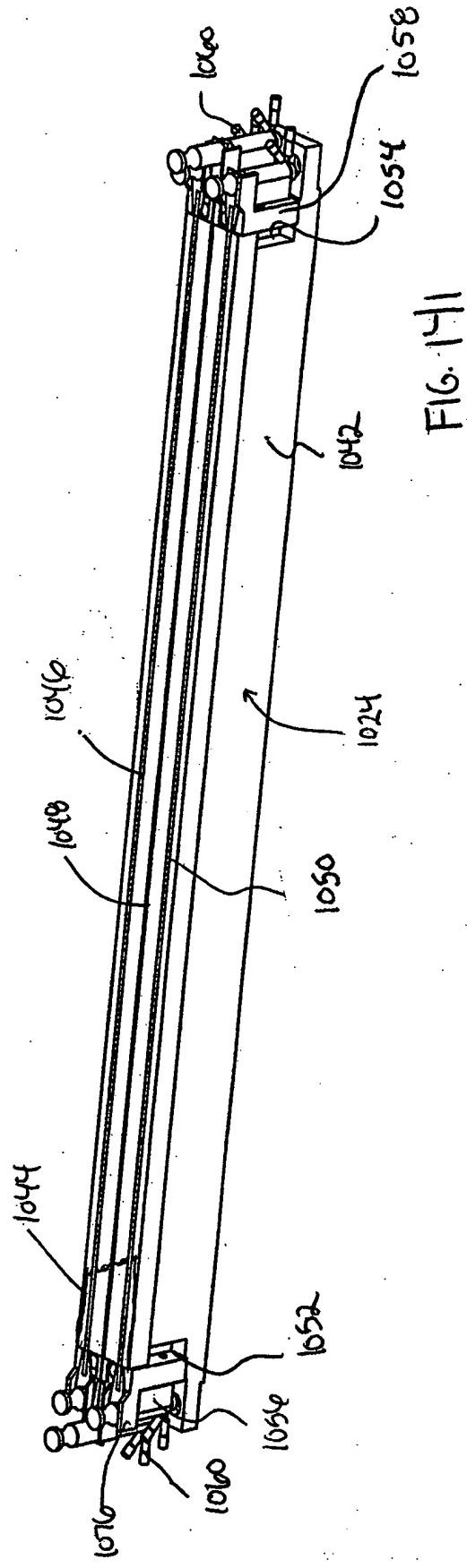
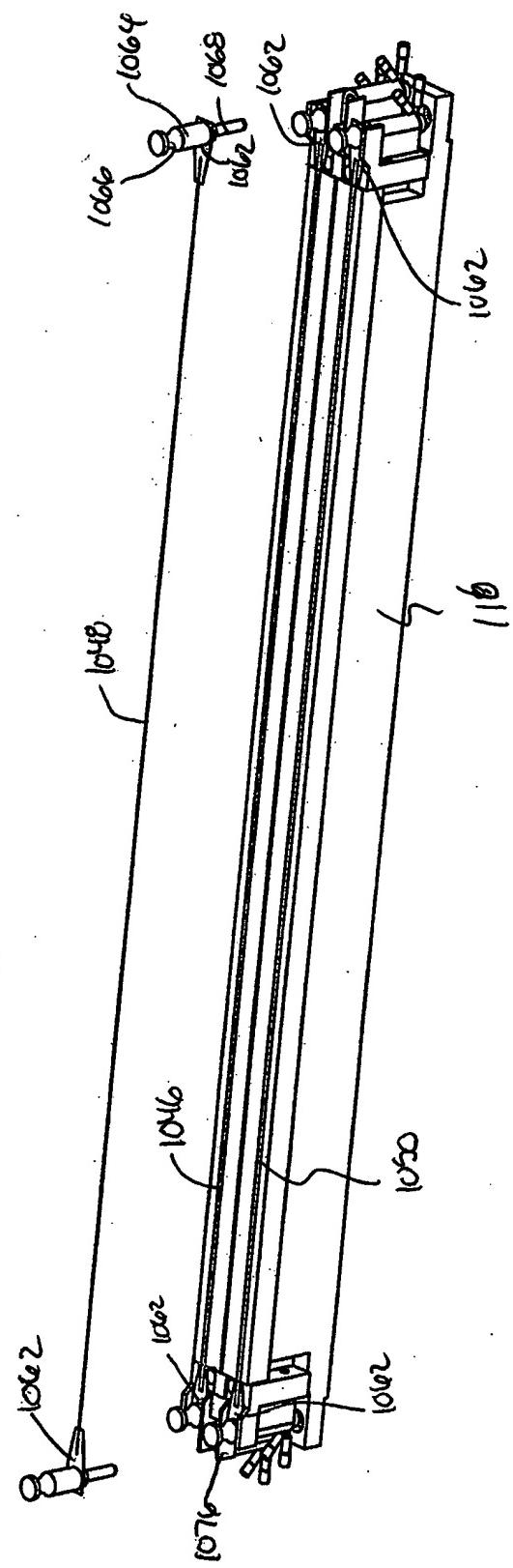


FIG. 1411

Fig 142



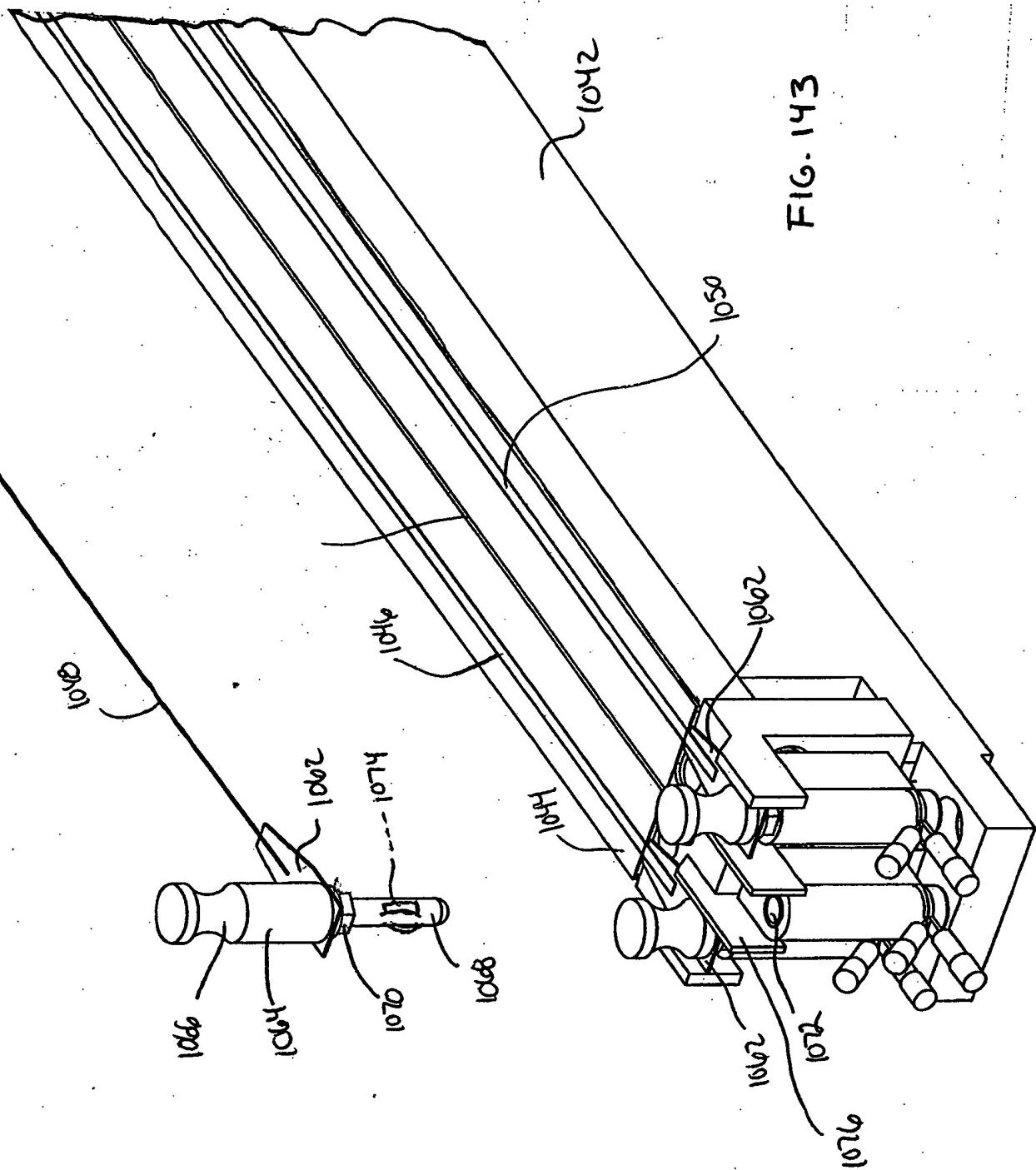


FIG. 143

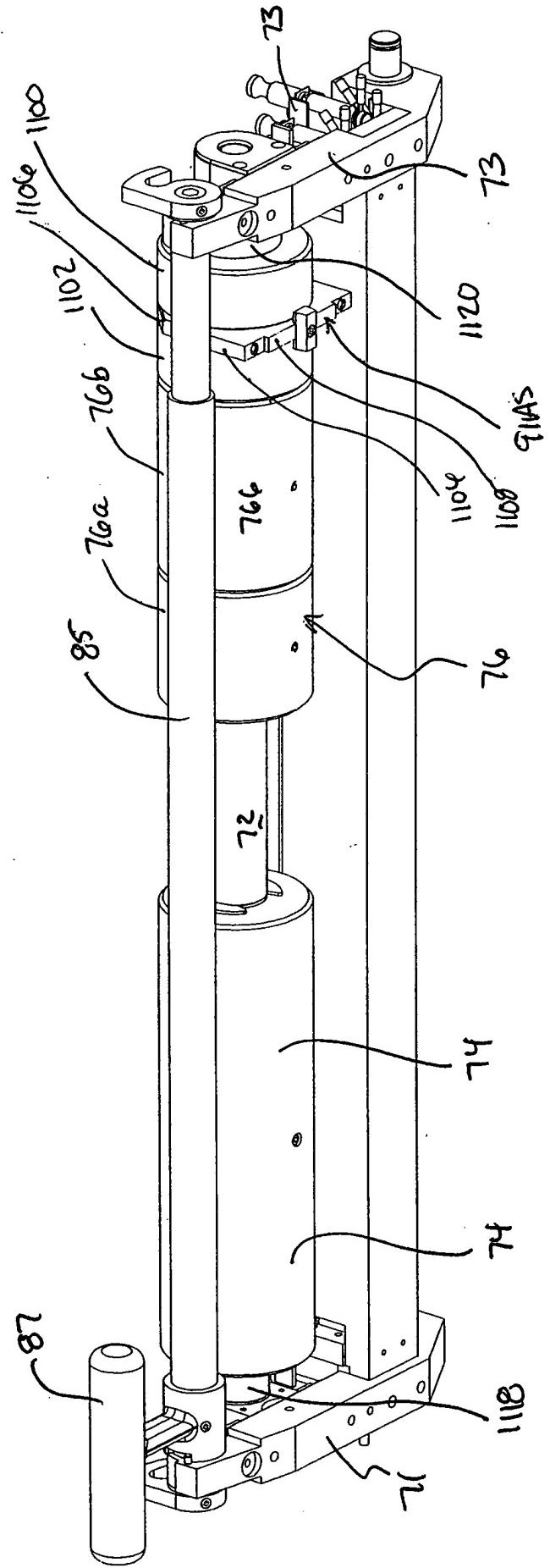


FIG. 144

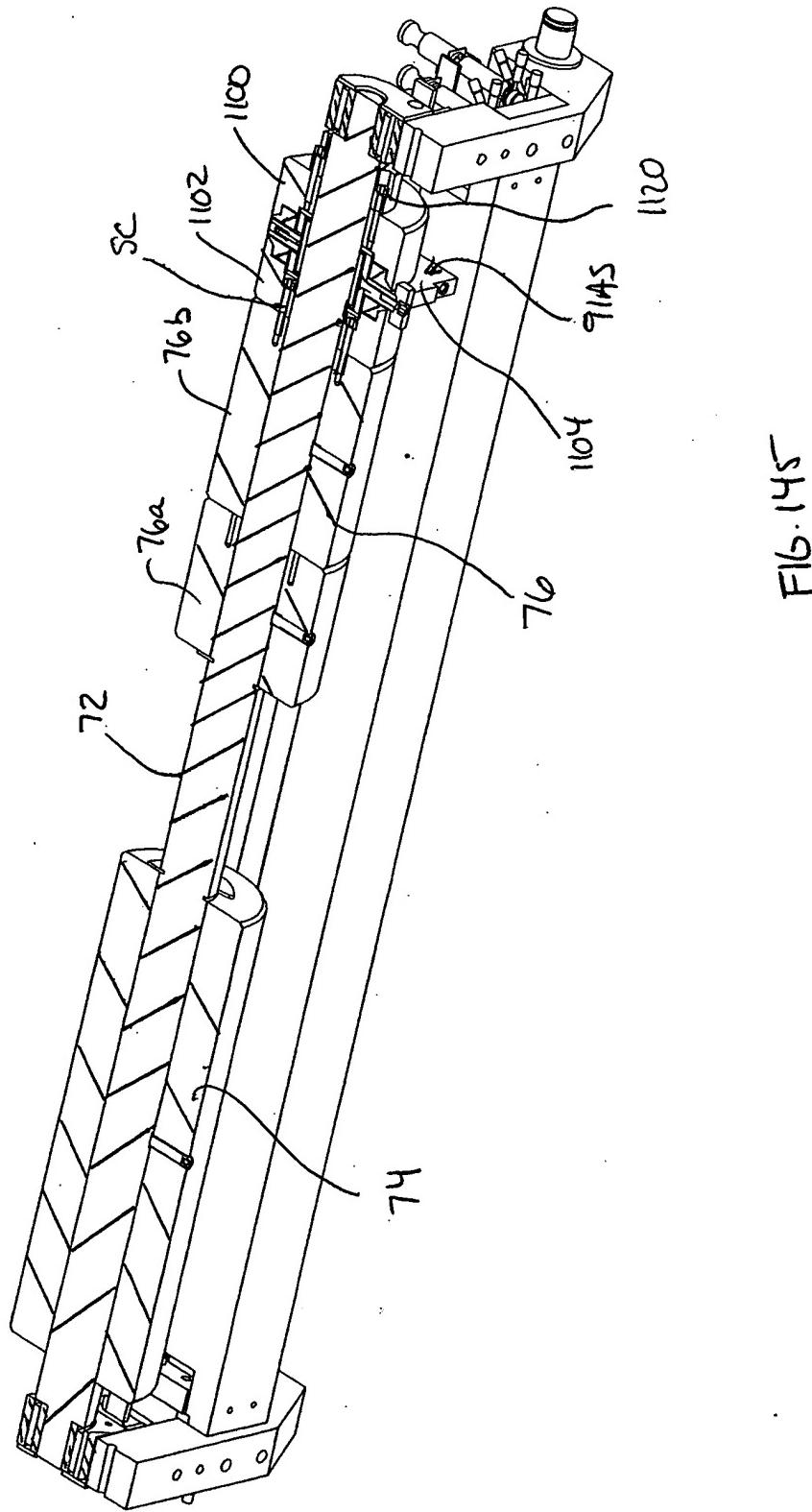


FIG. 145

FIG. 146

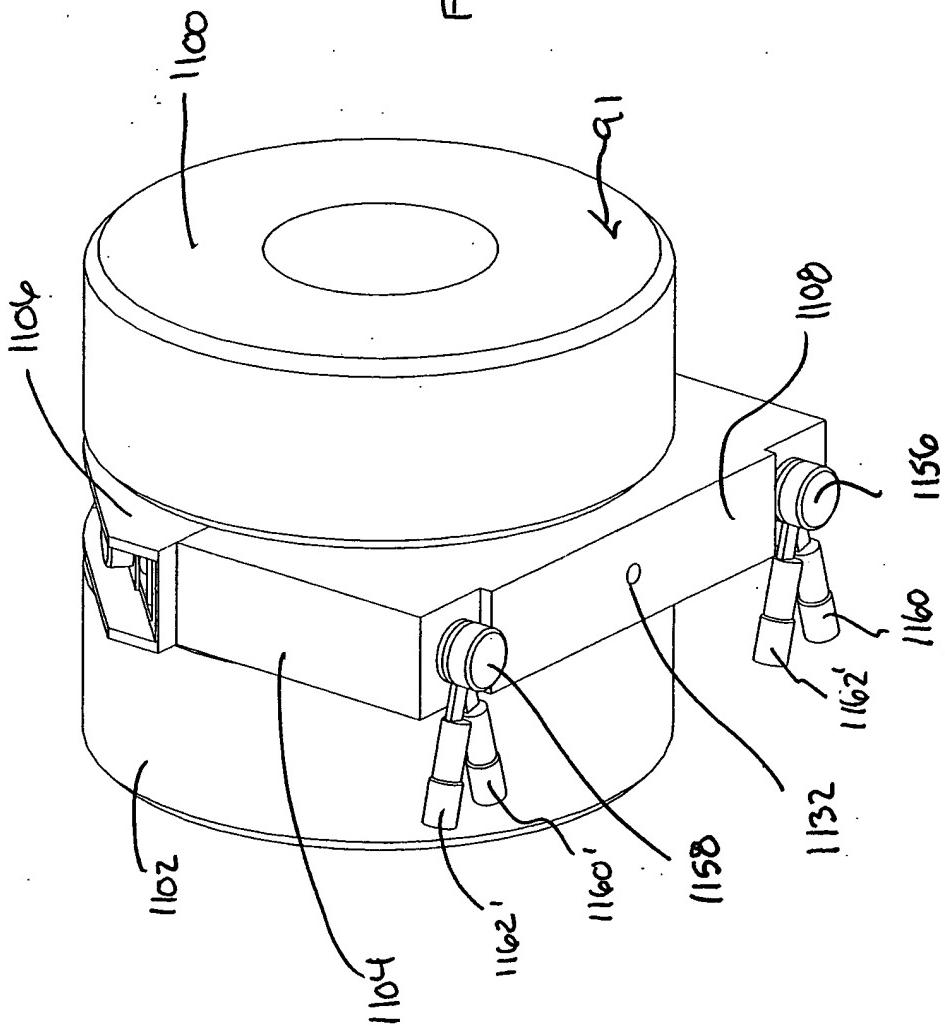


FIG. 14614

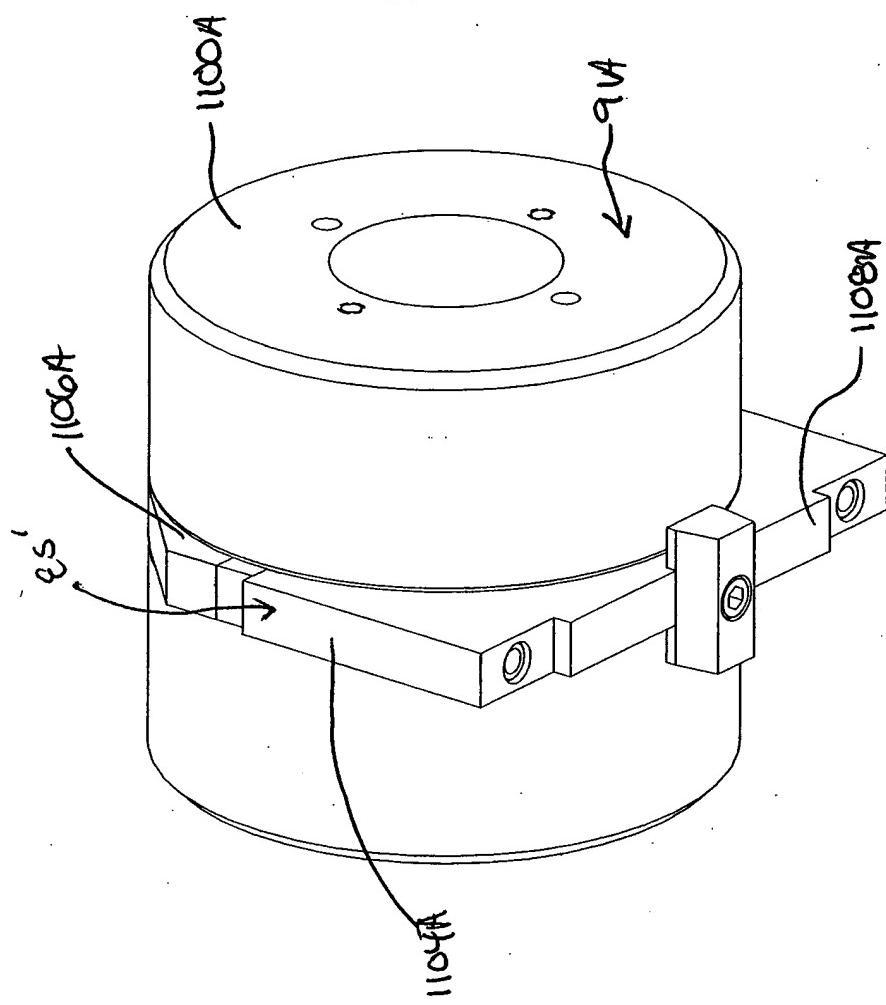


FIG. 147

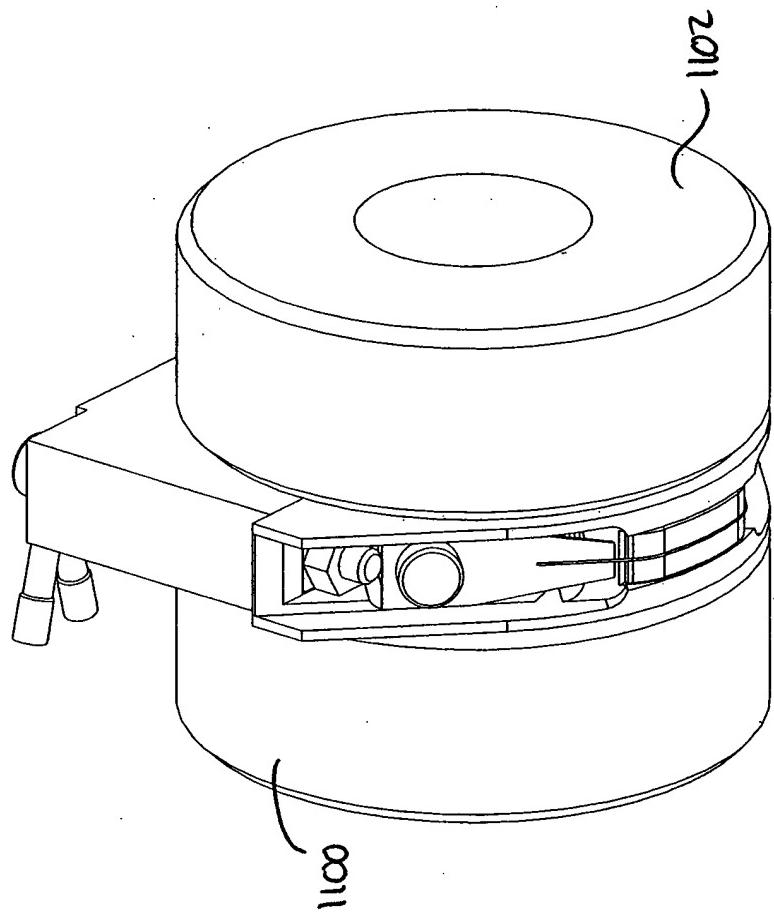
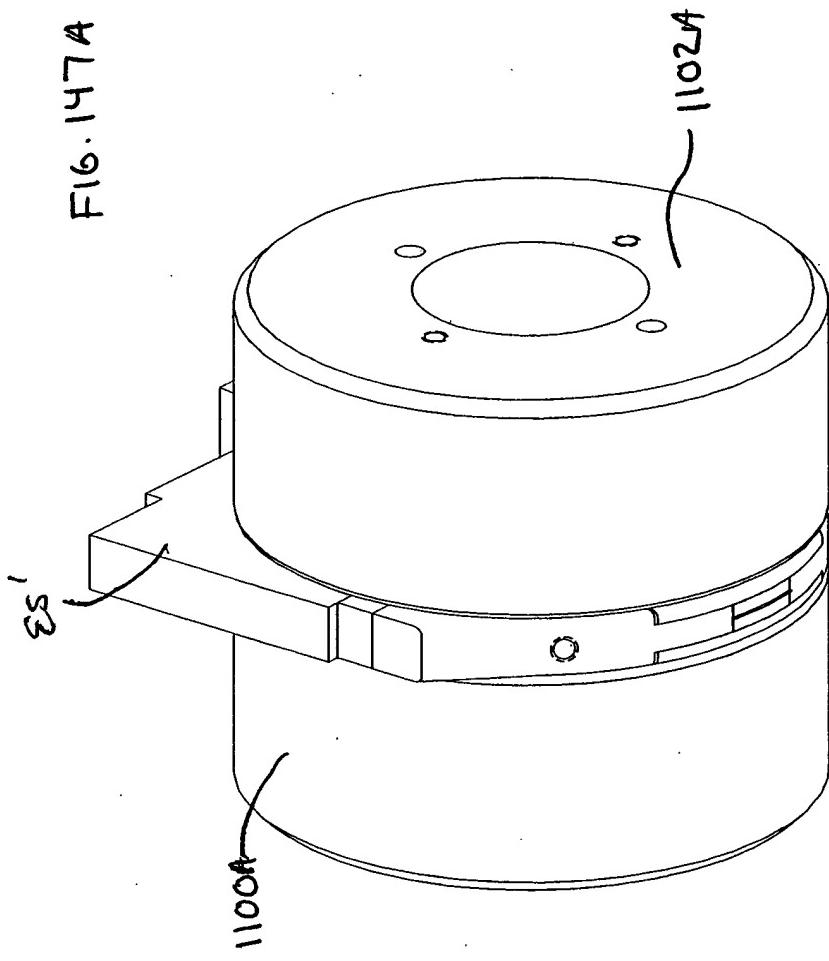


FIG. 147A



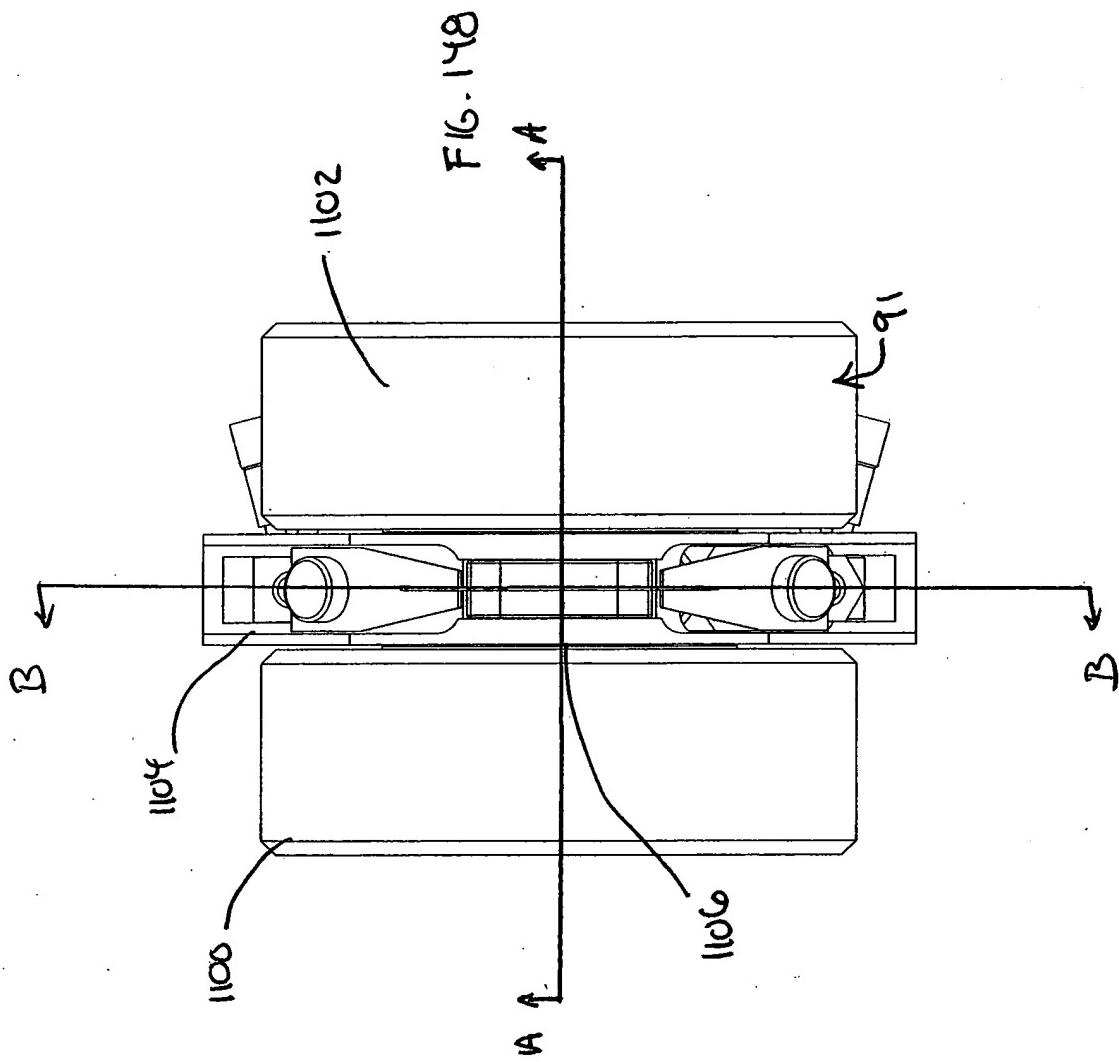
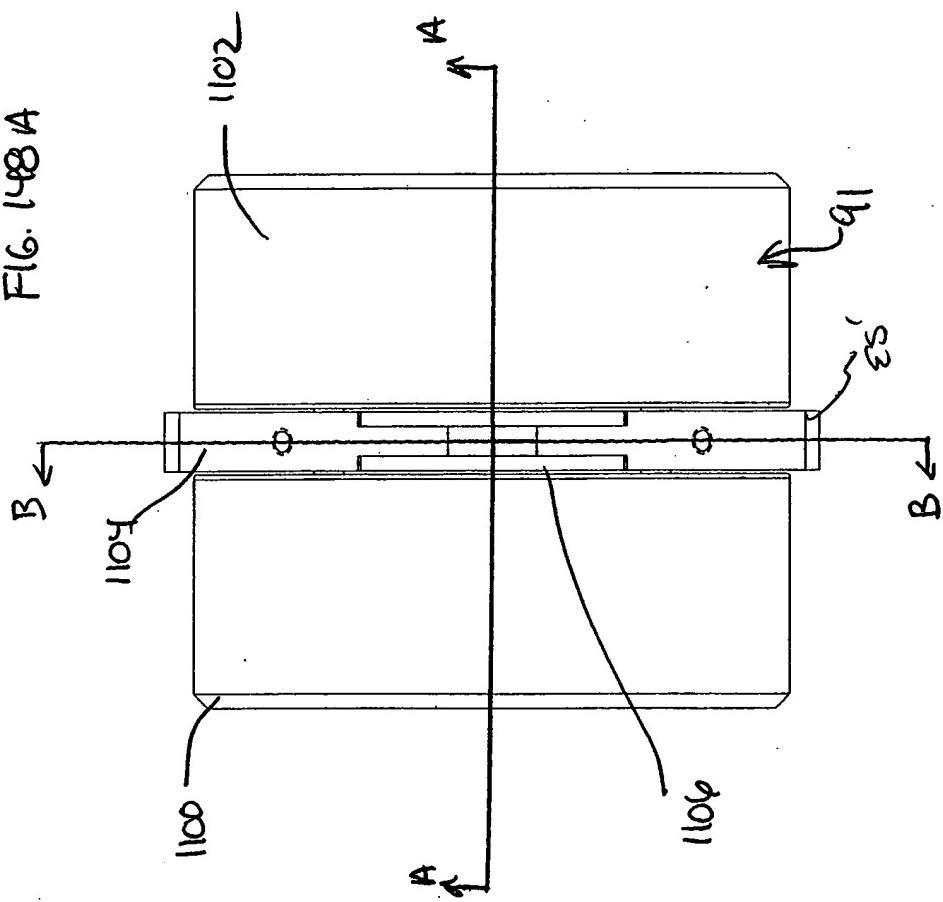
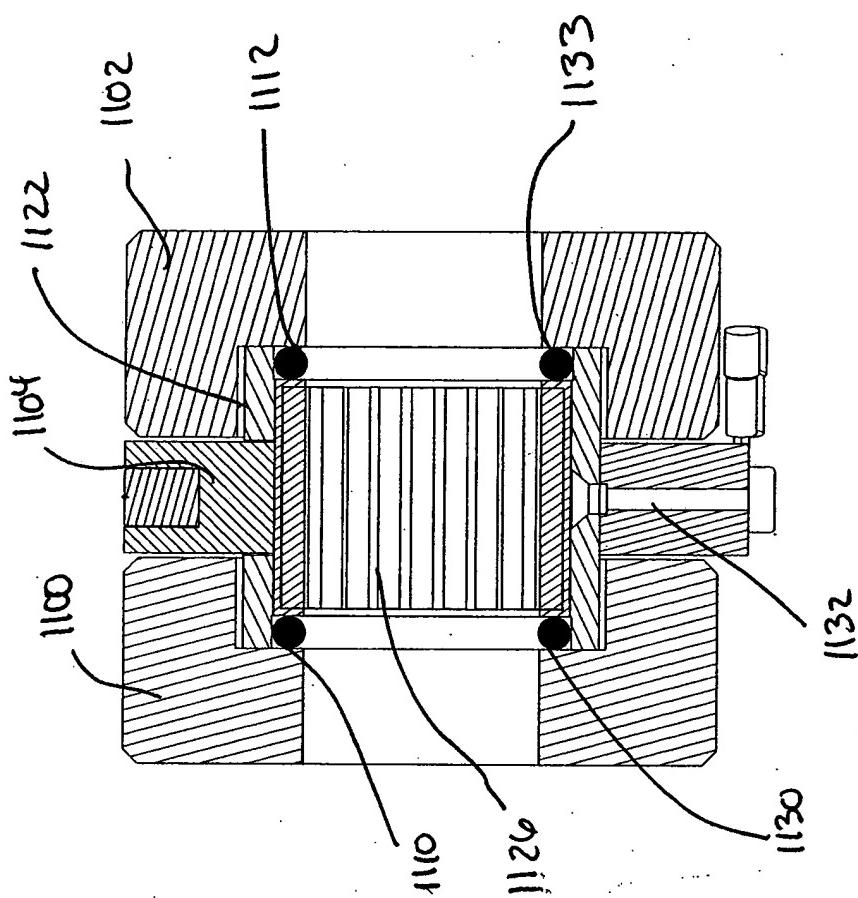


FIG. 148A



F16.149



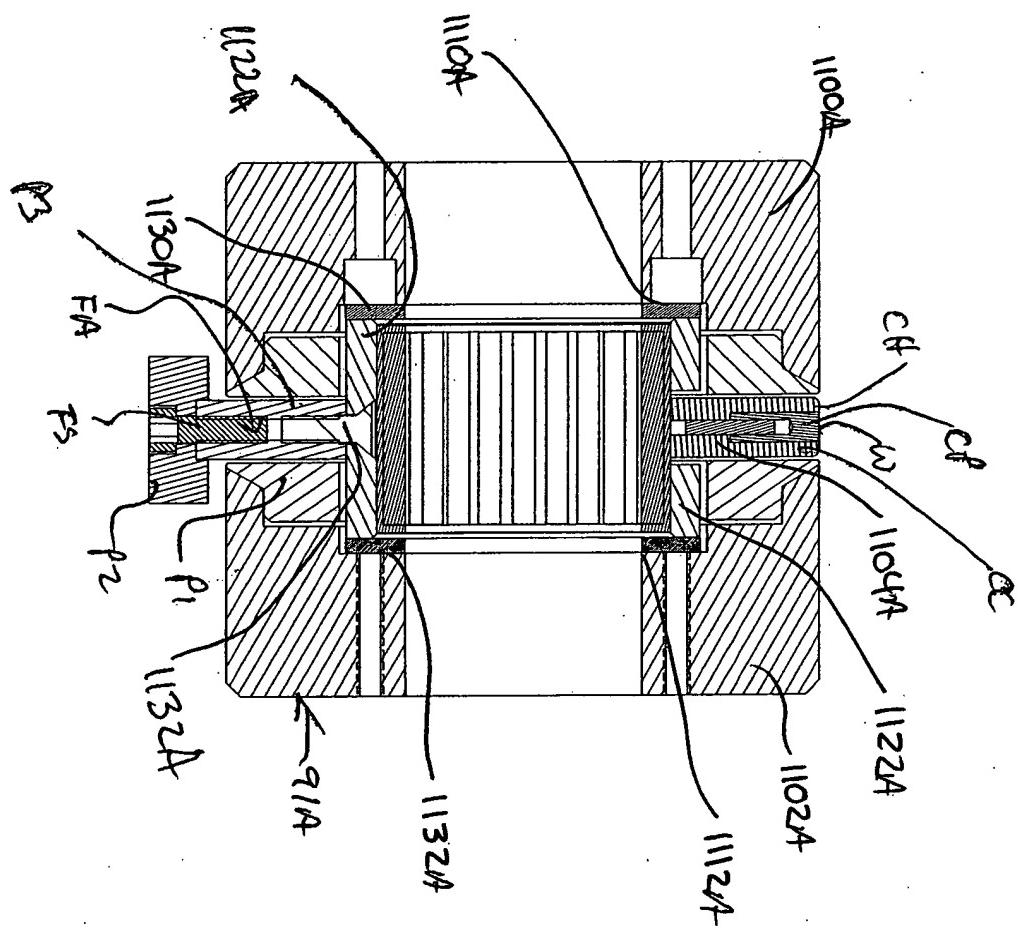


FIG. 149A

FIG. 150

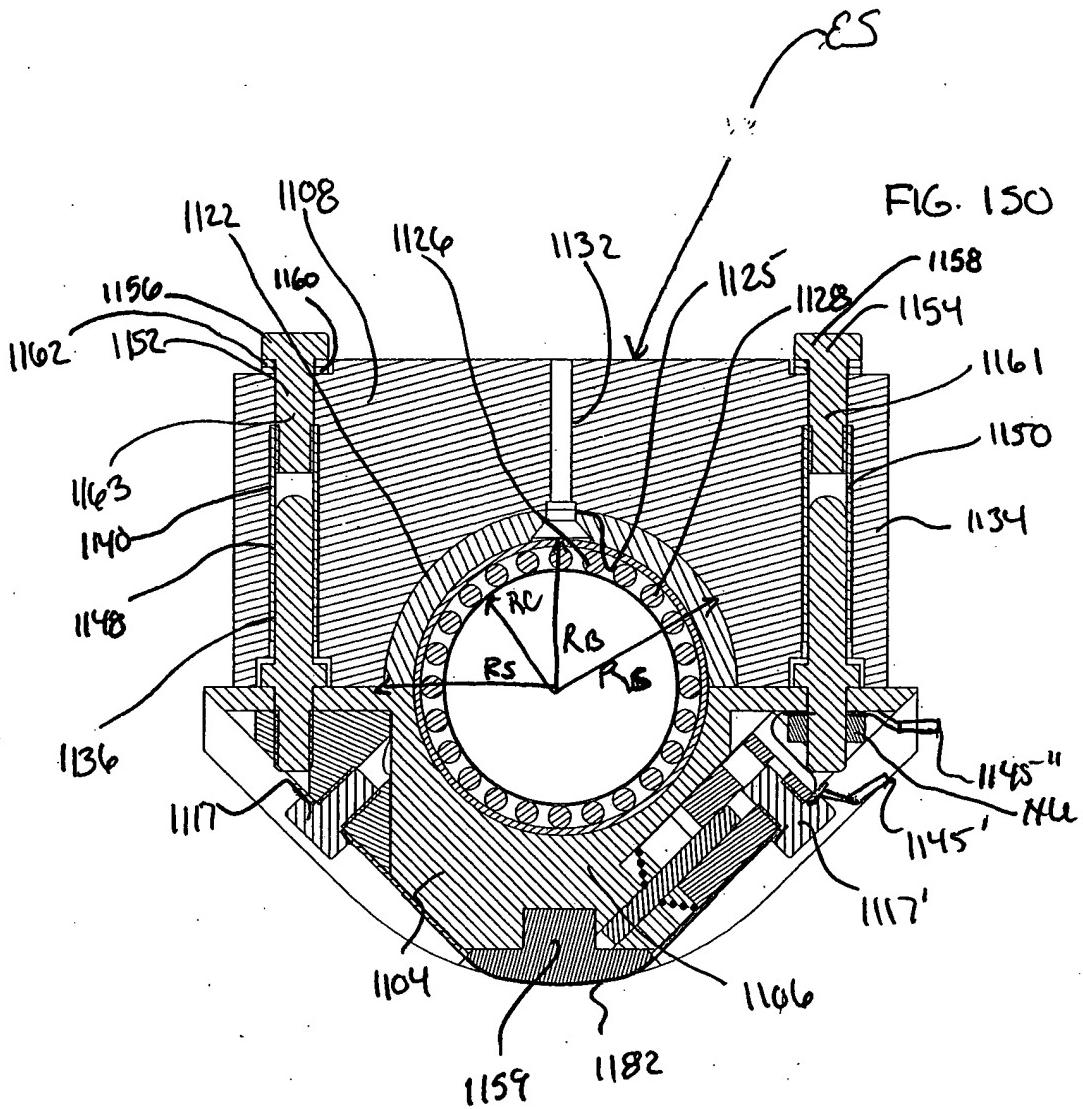


FIG. 1501A

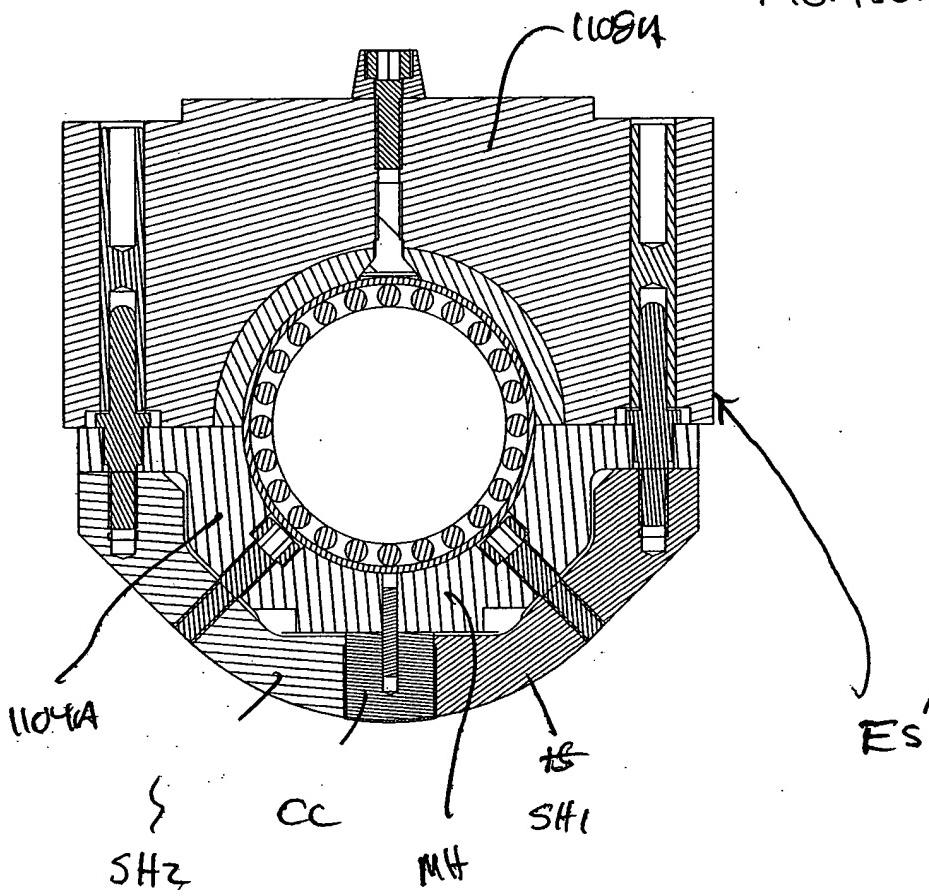


FIG. 151

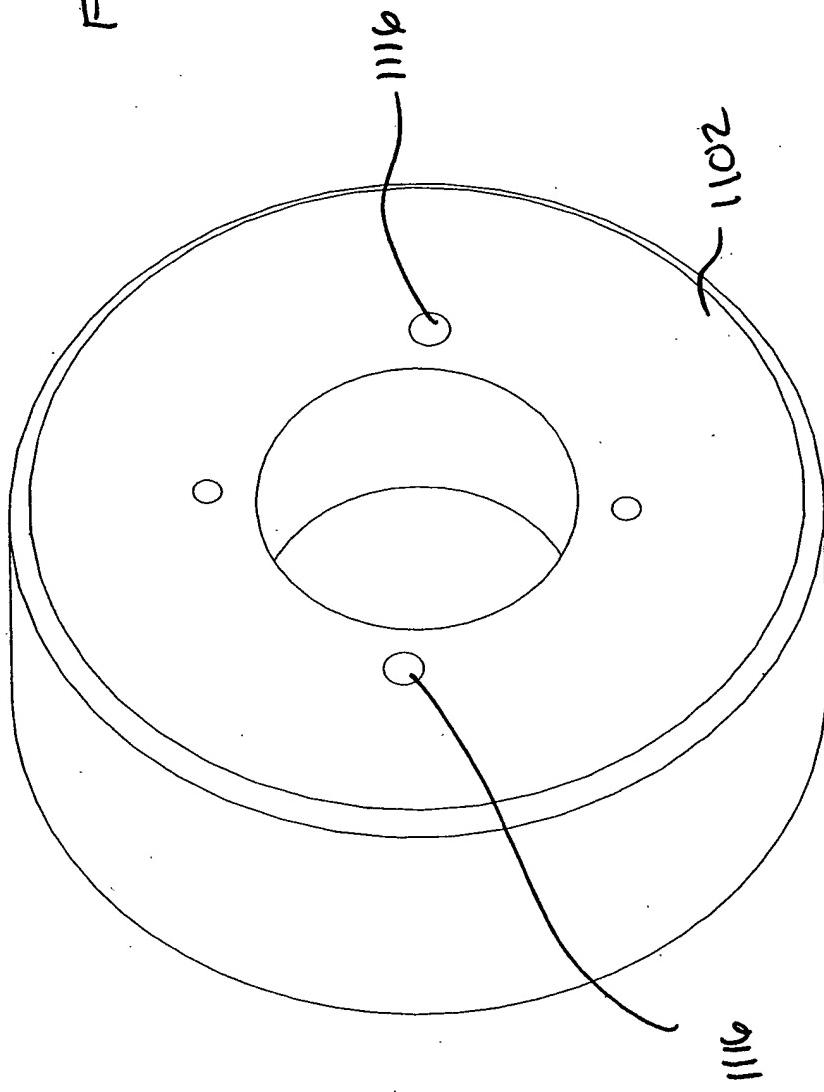


FIG. 151A

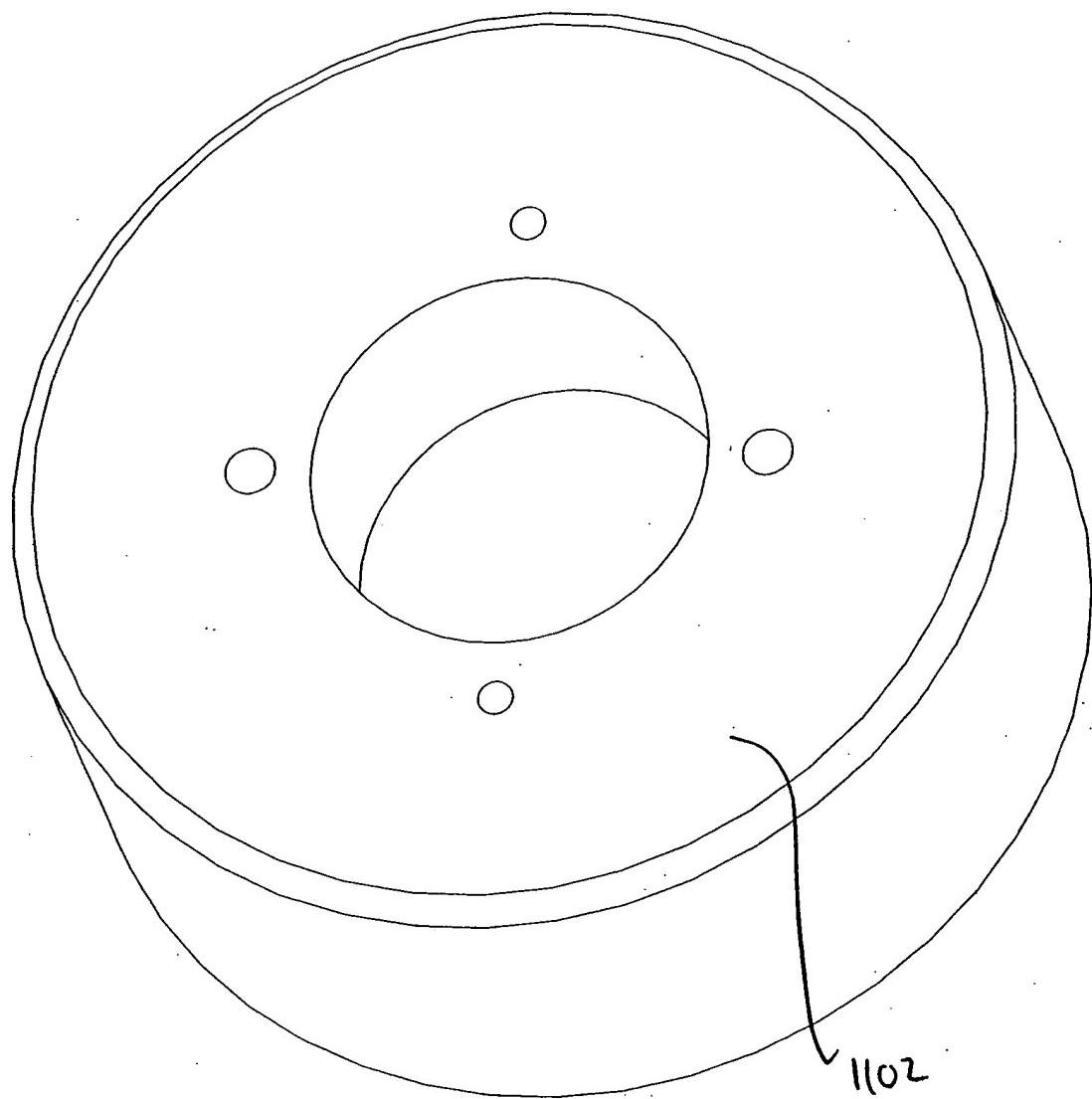


FIG. 152

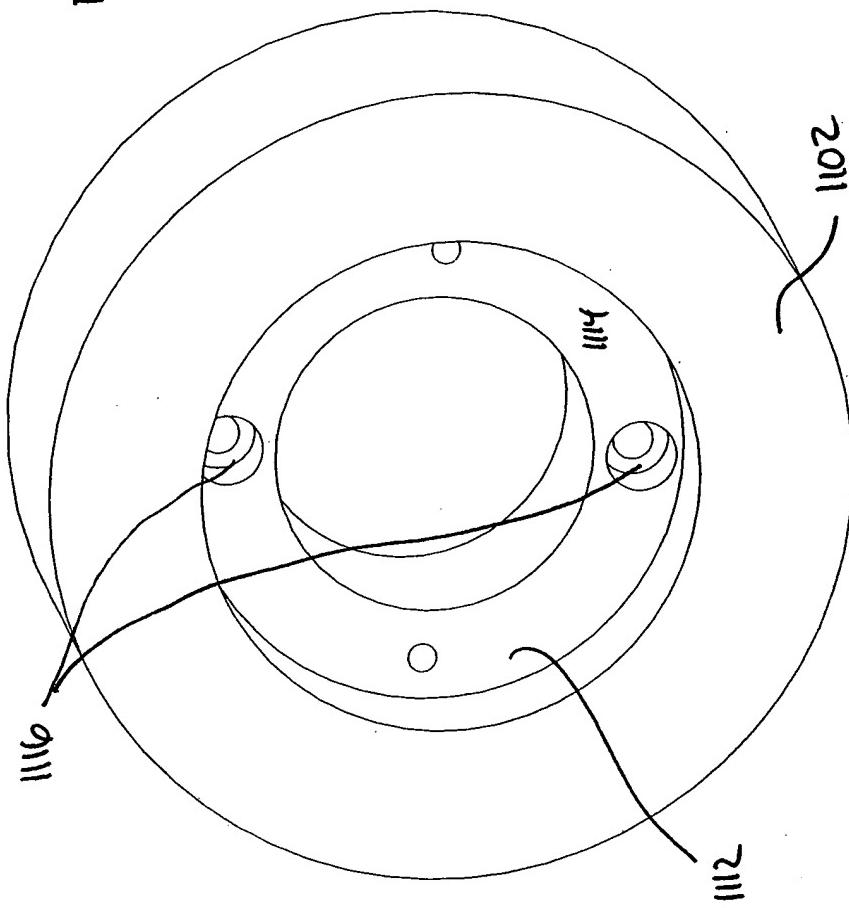
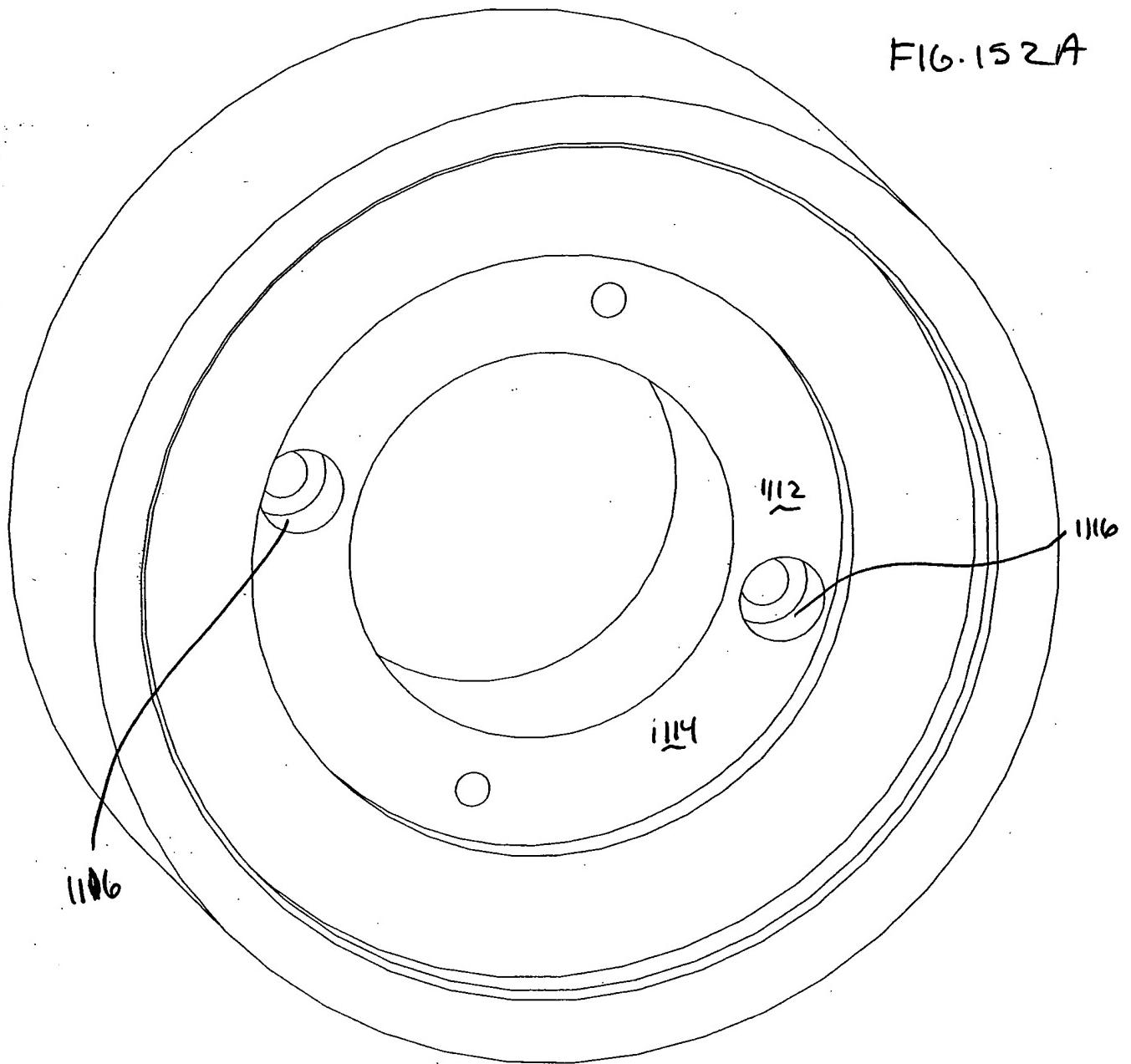


FIG. 152A



1122

FIG. 153

1125

1124

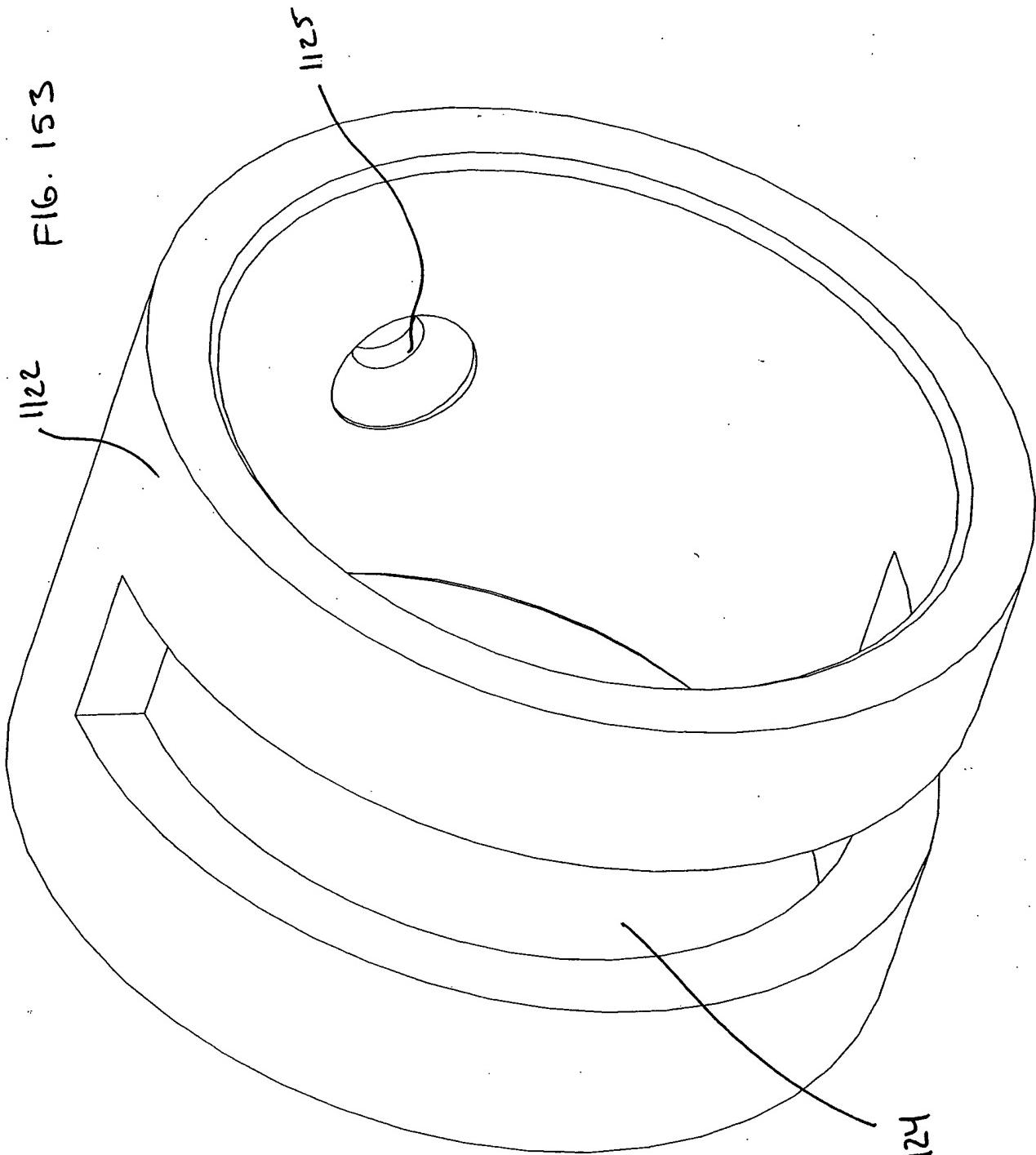


FIG. 154

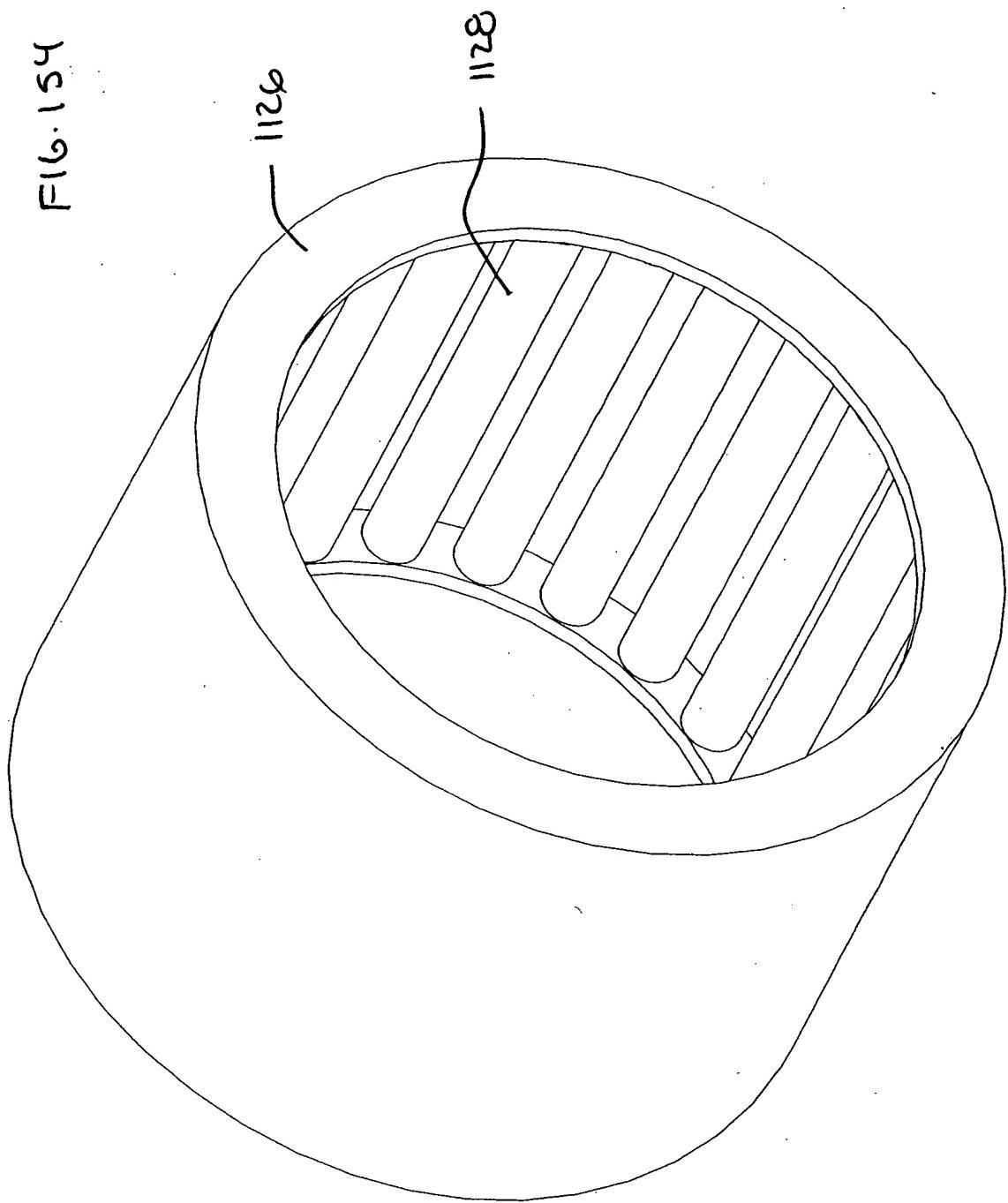


FIG. 155

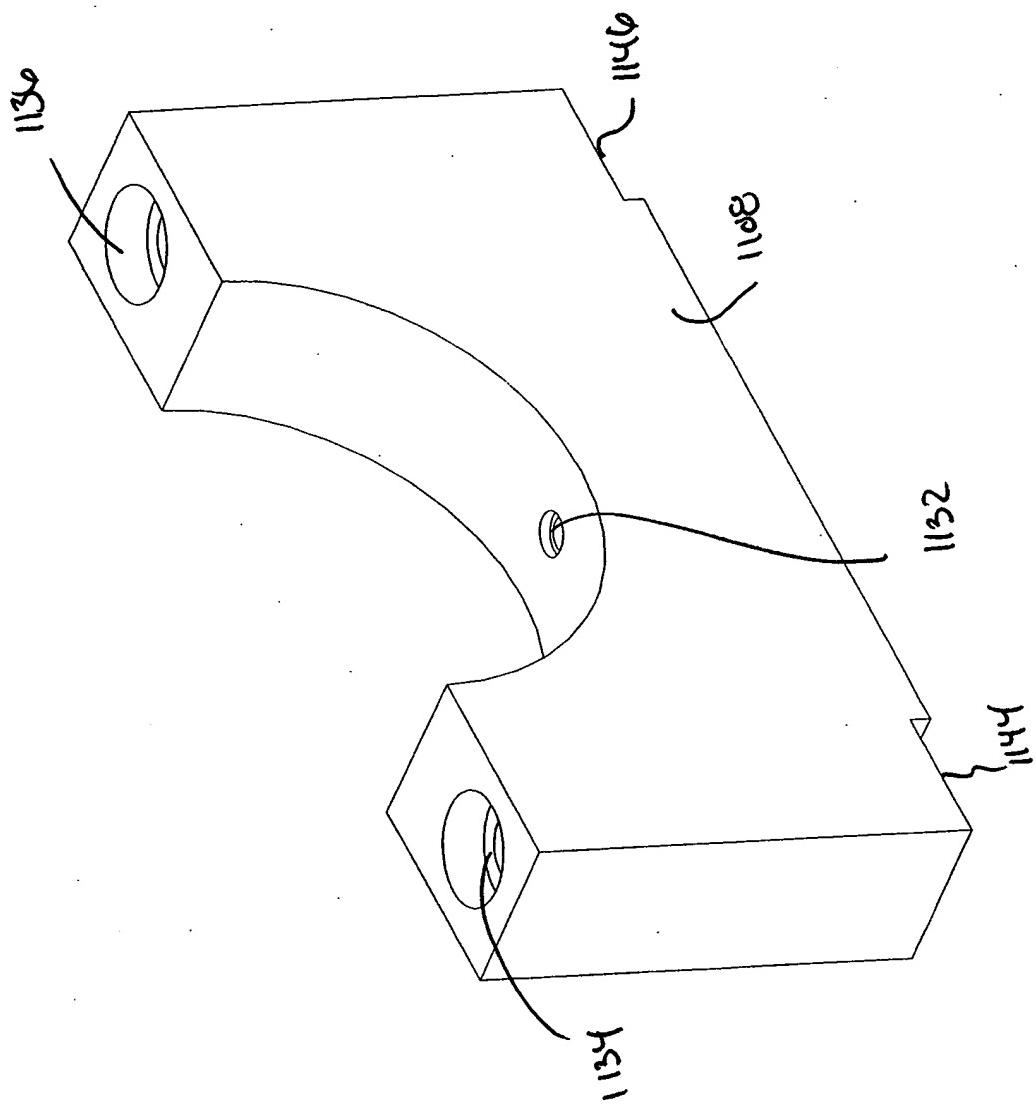


FIG. 155A

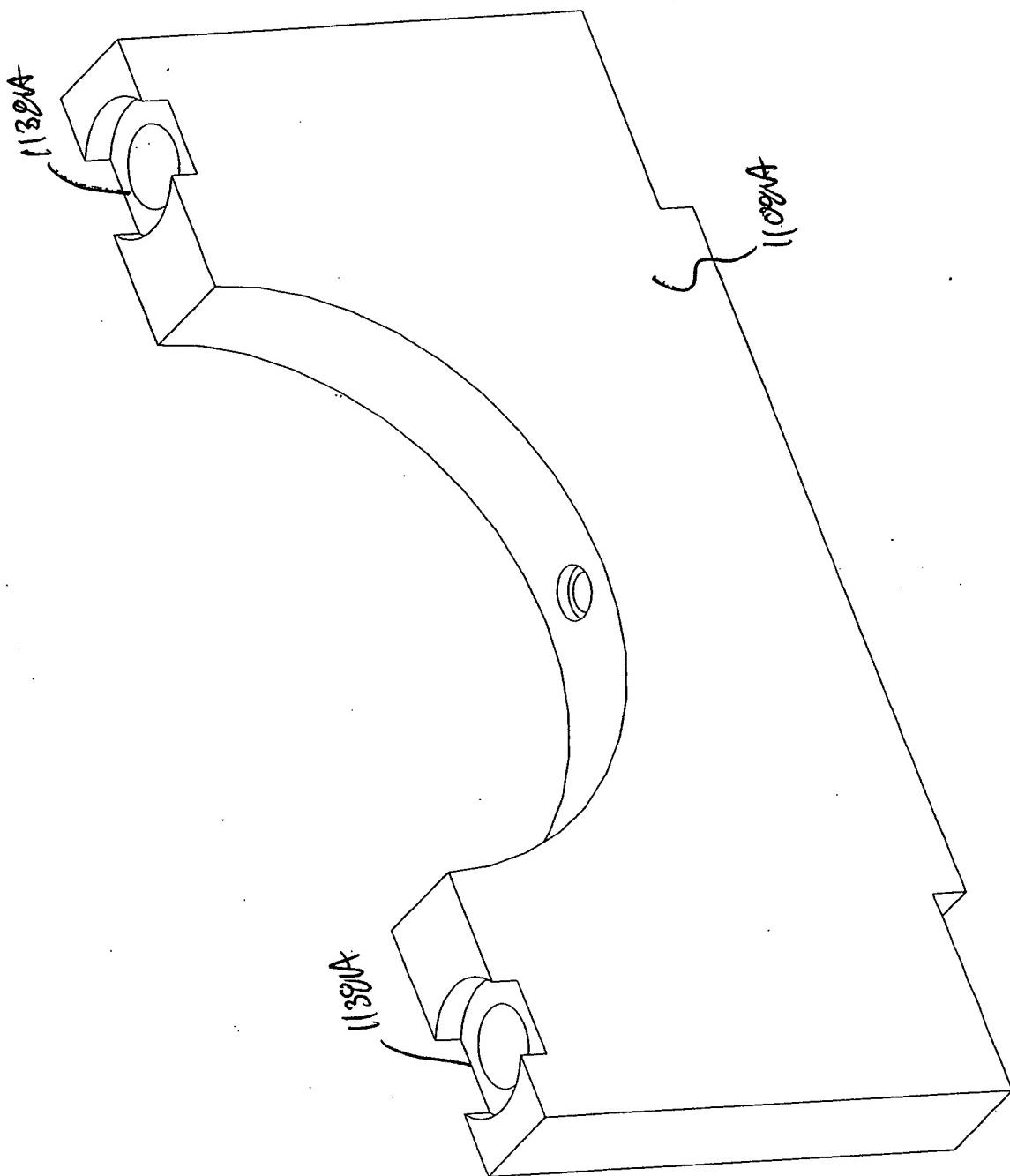


Fig. 156

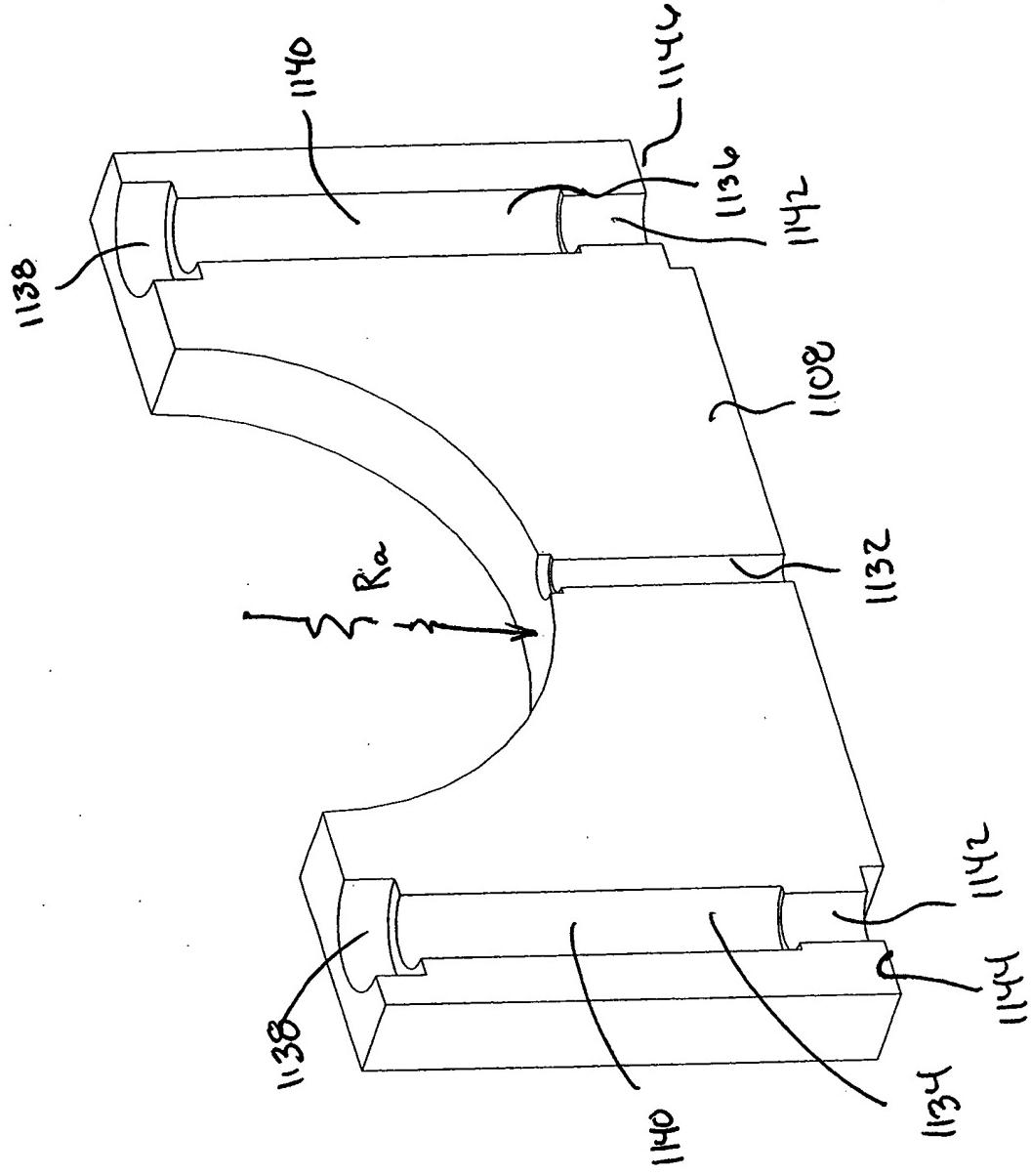
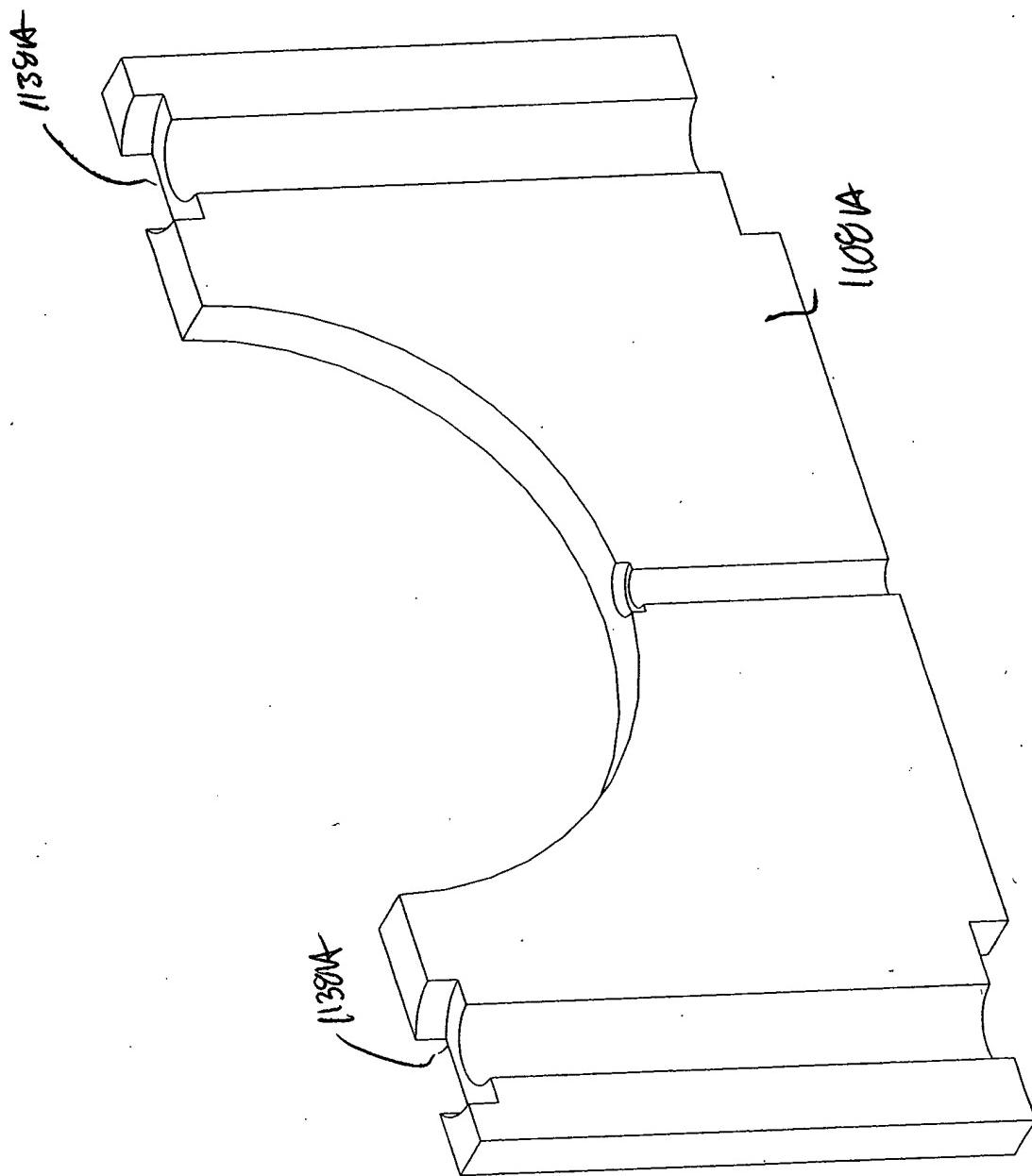


FIG. 156A



F16. 157

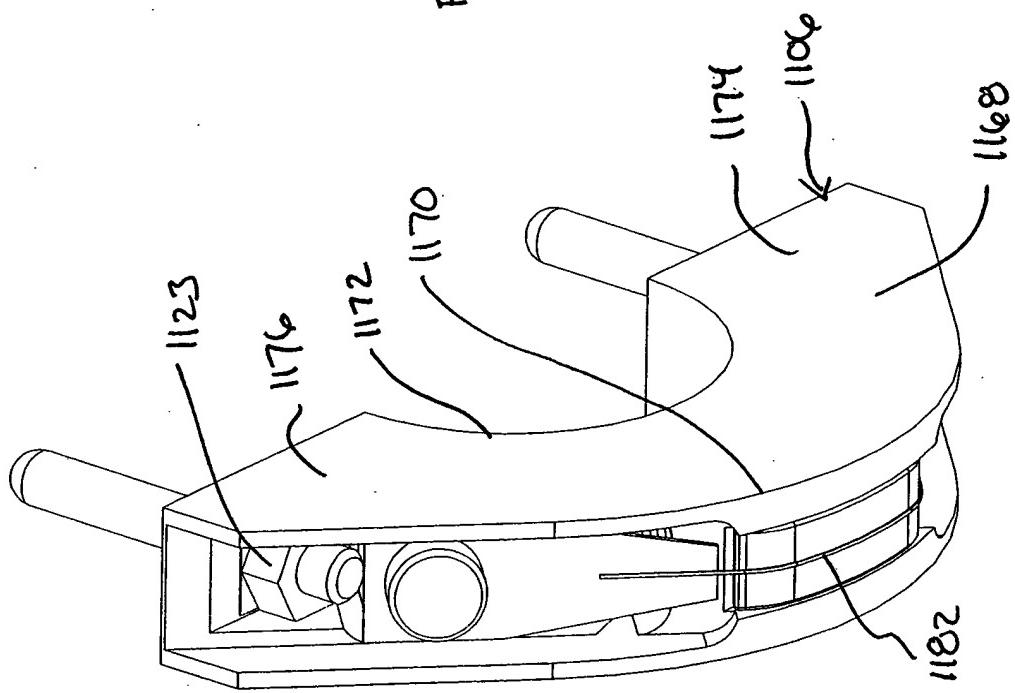


FIG. 157A

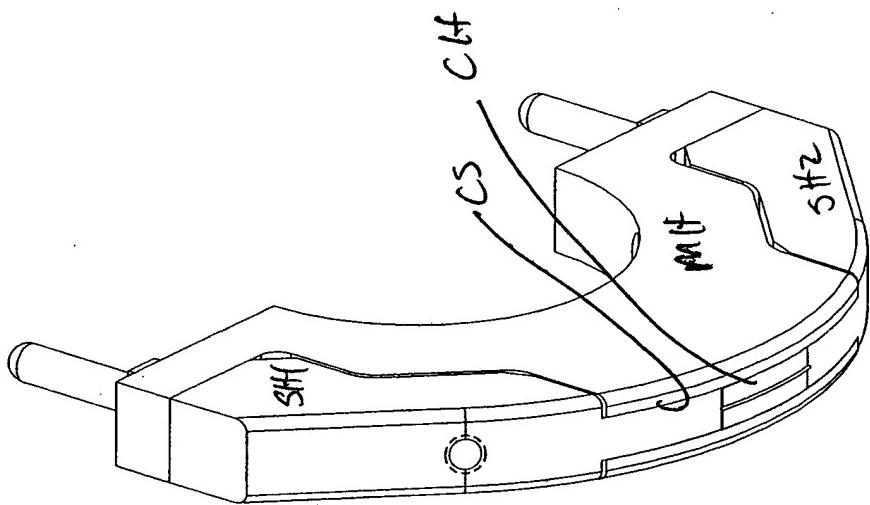


FIG. 158

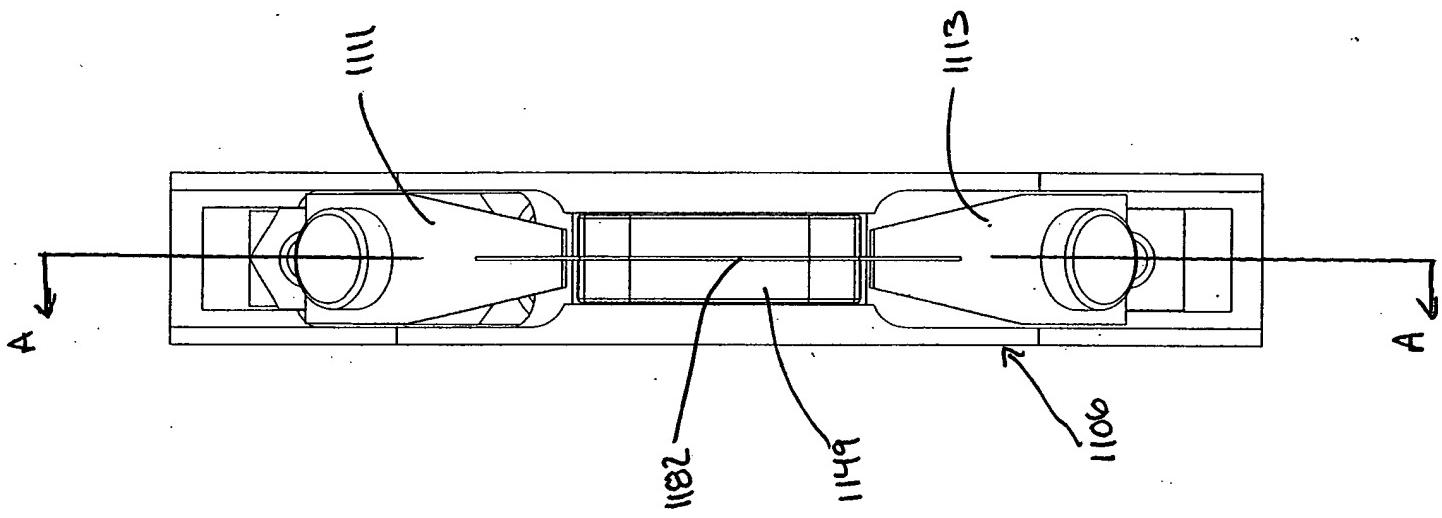
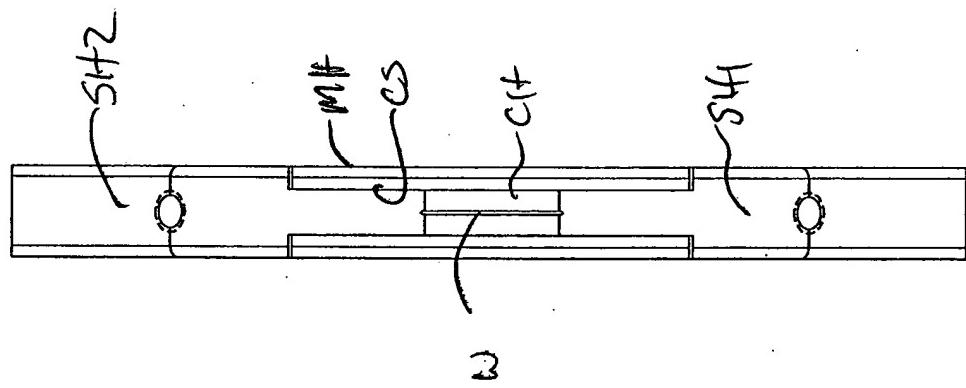
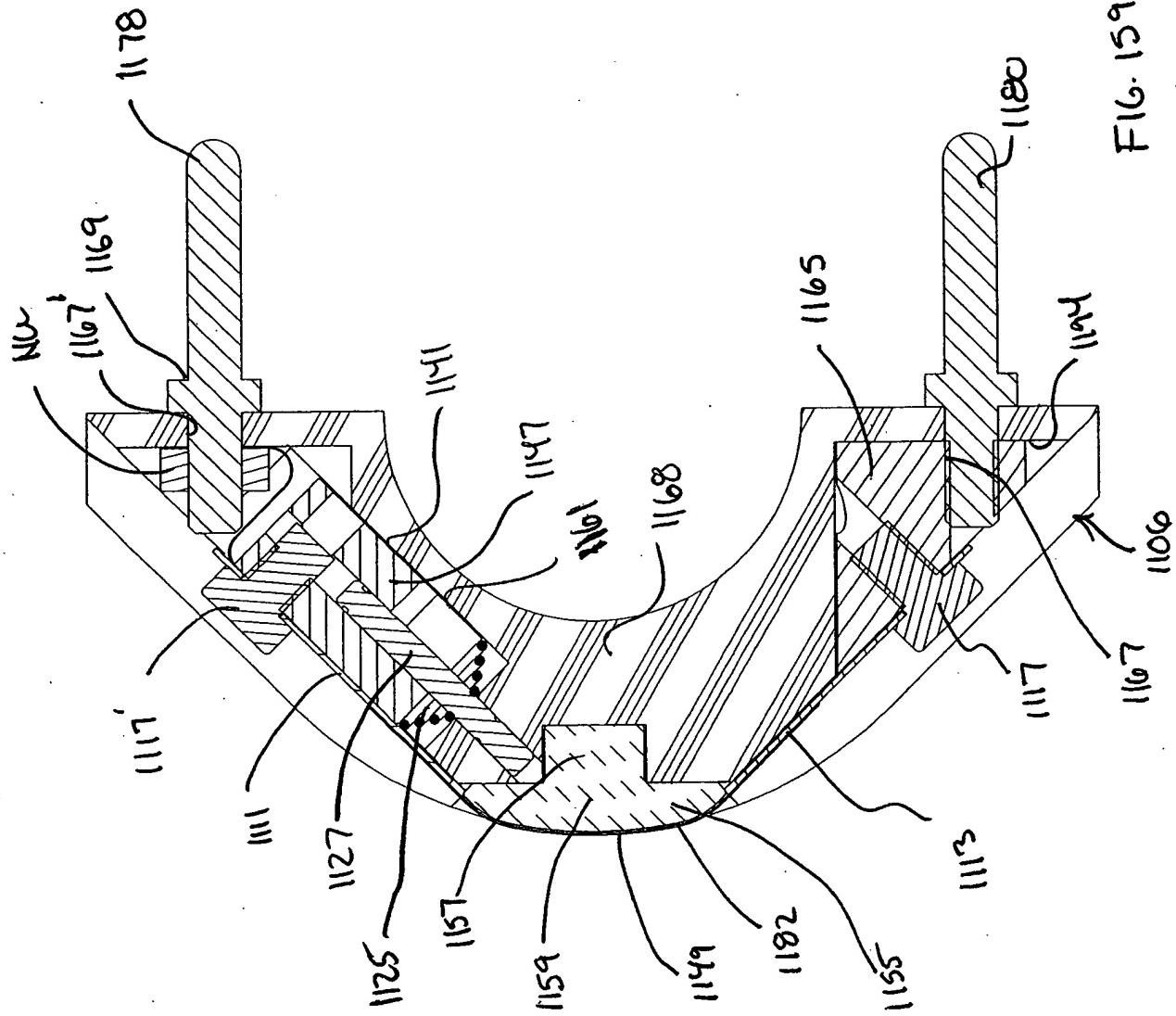


Fig. 158A





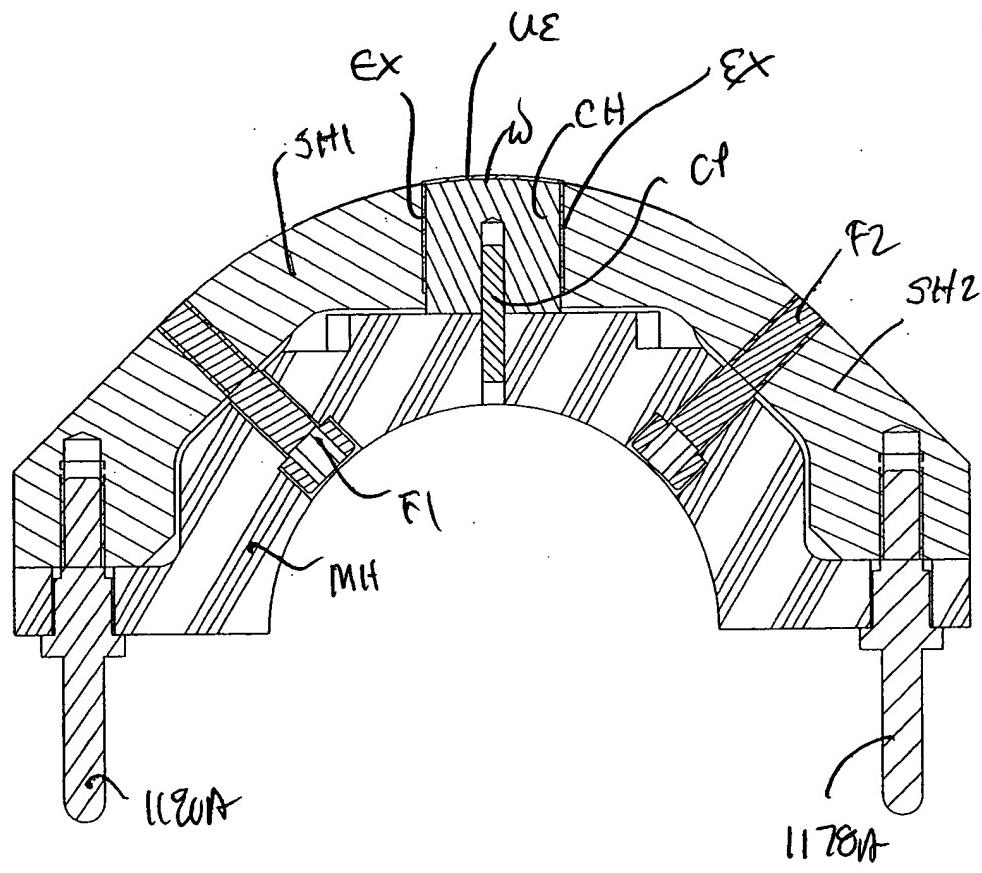


FIG-159A

FIG. 160

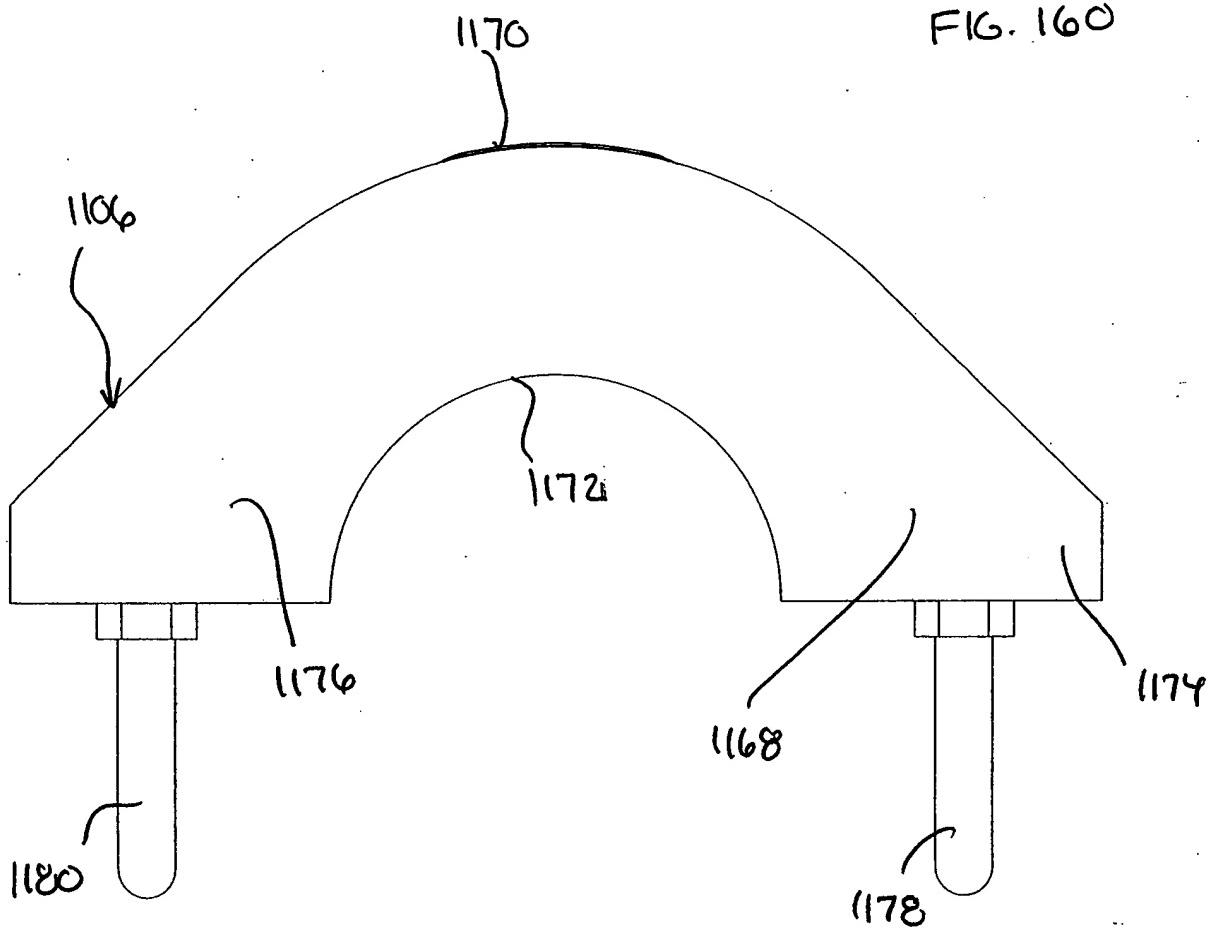


FIG. 1601A

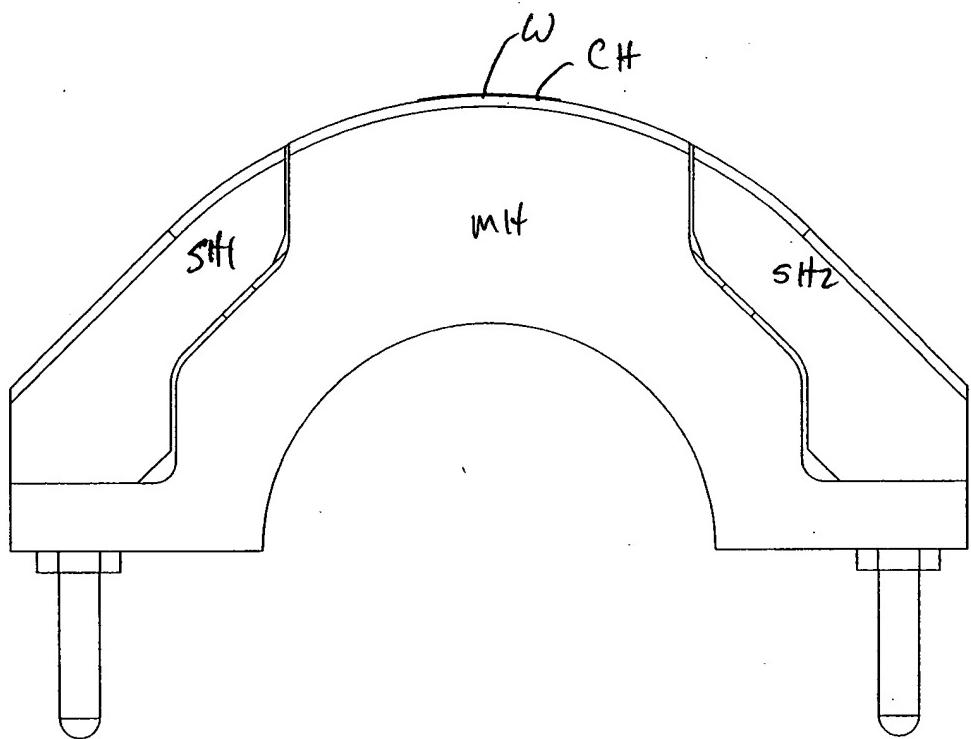


Fig. 16.1

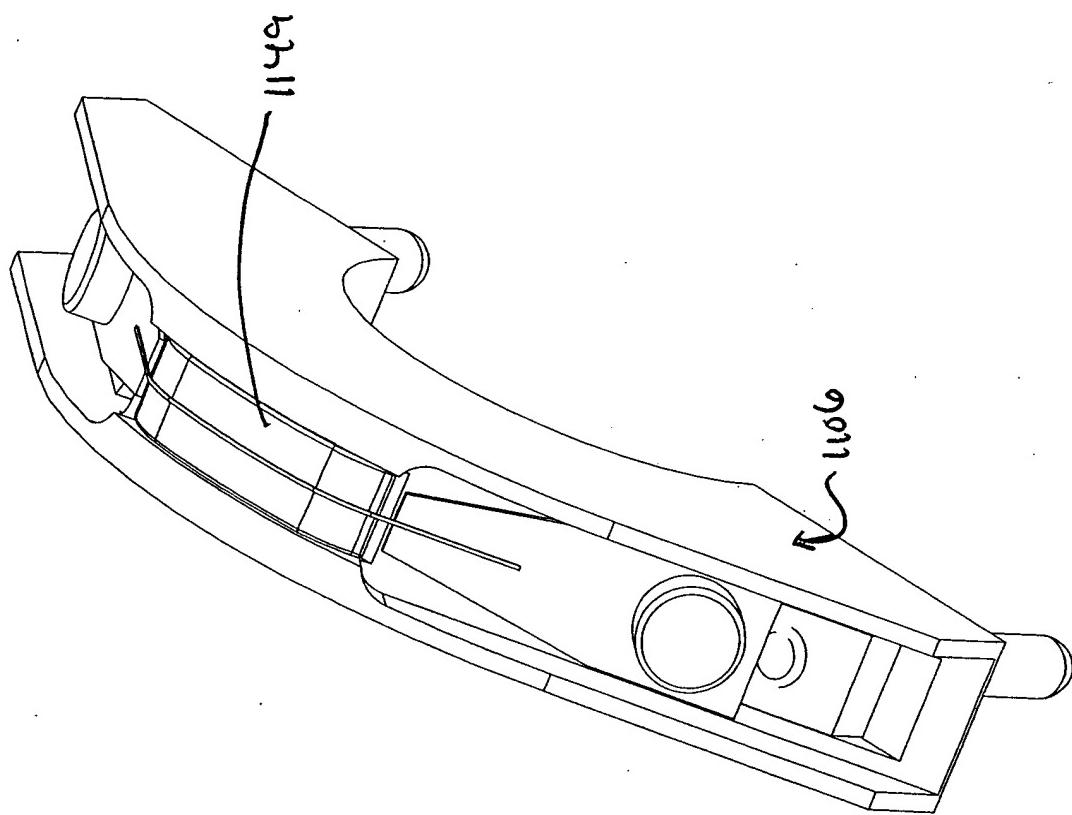


FIG. 161A

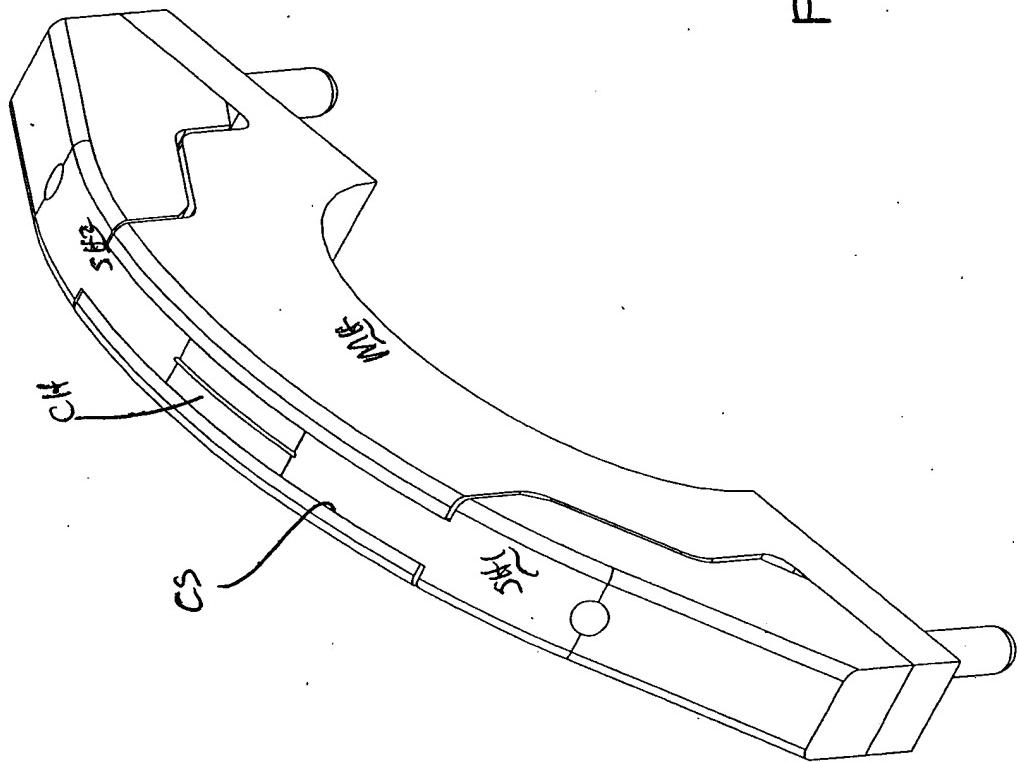


FIG. 162

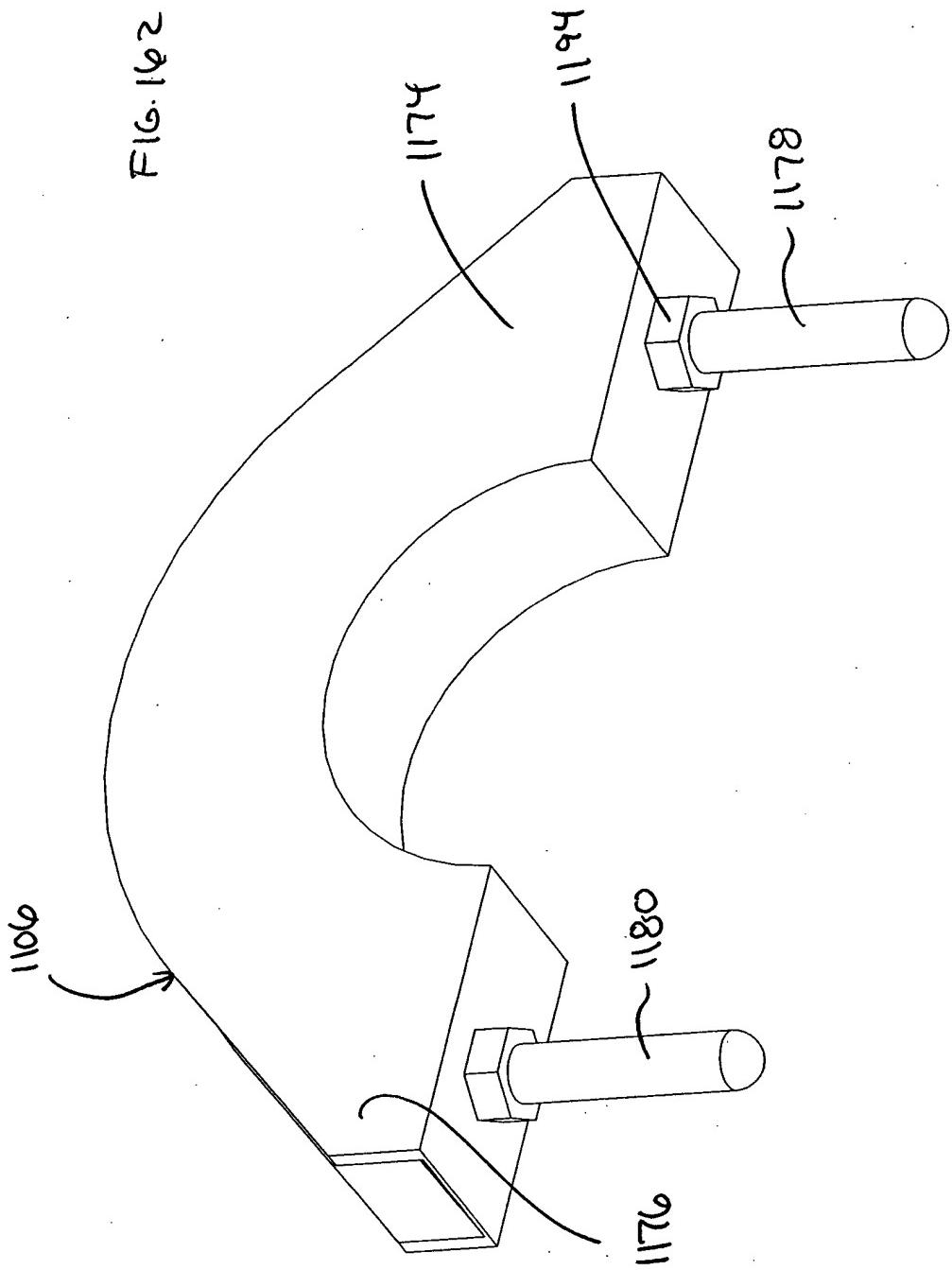


Fig. 162A

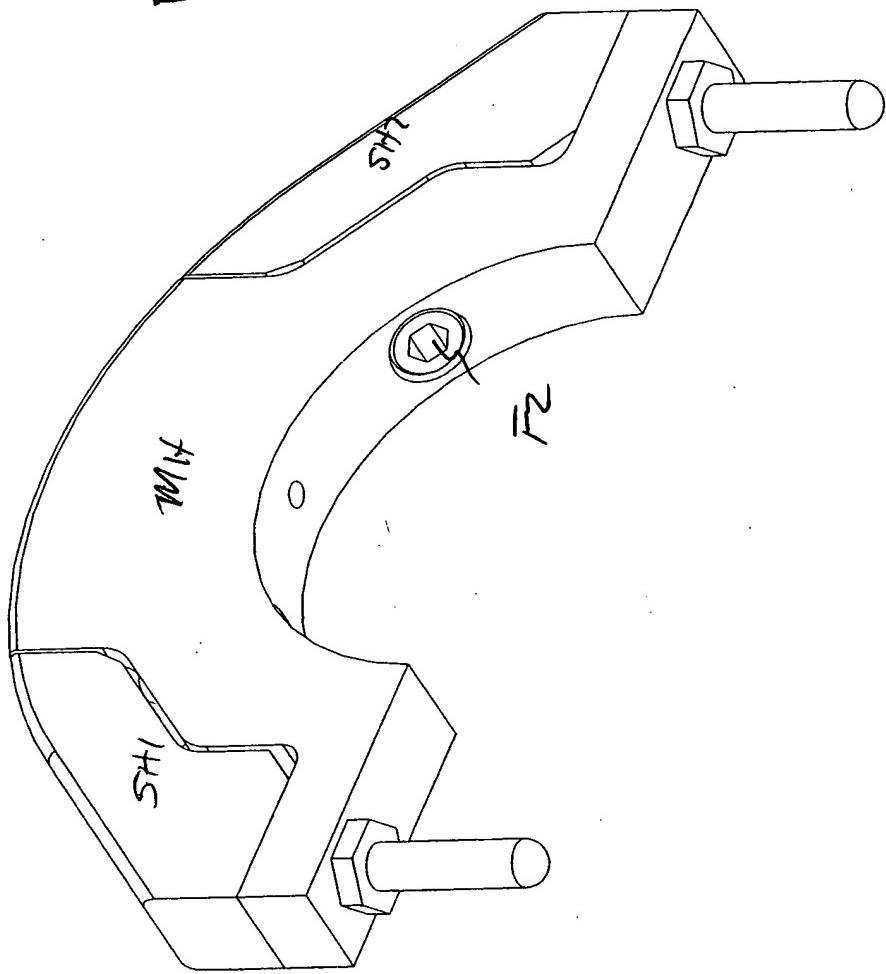
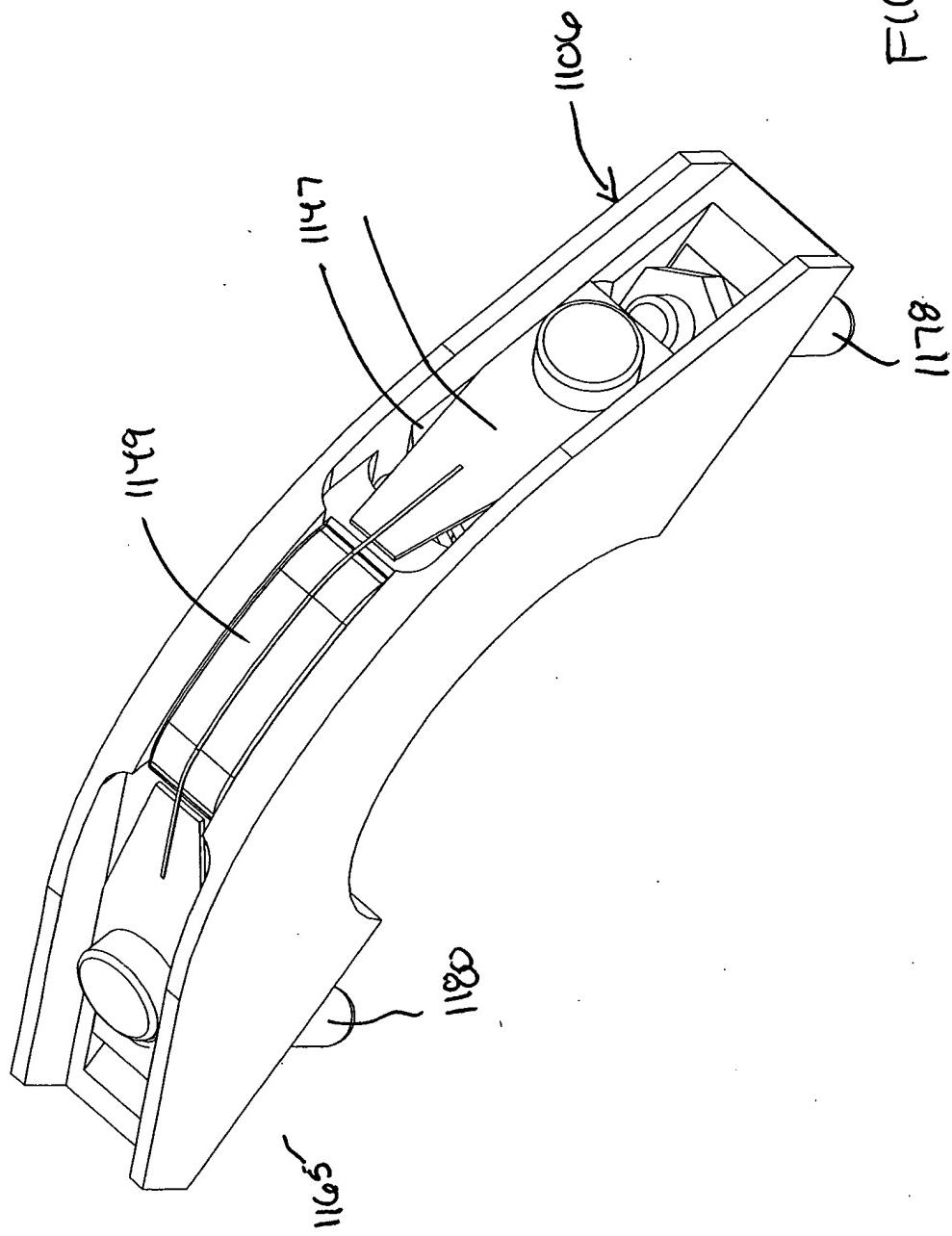


FIG. 162



F-163A

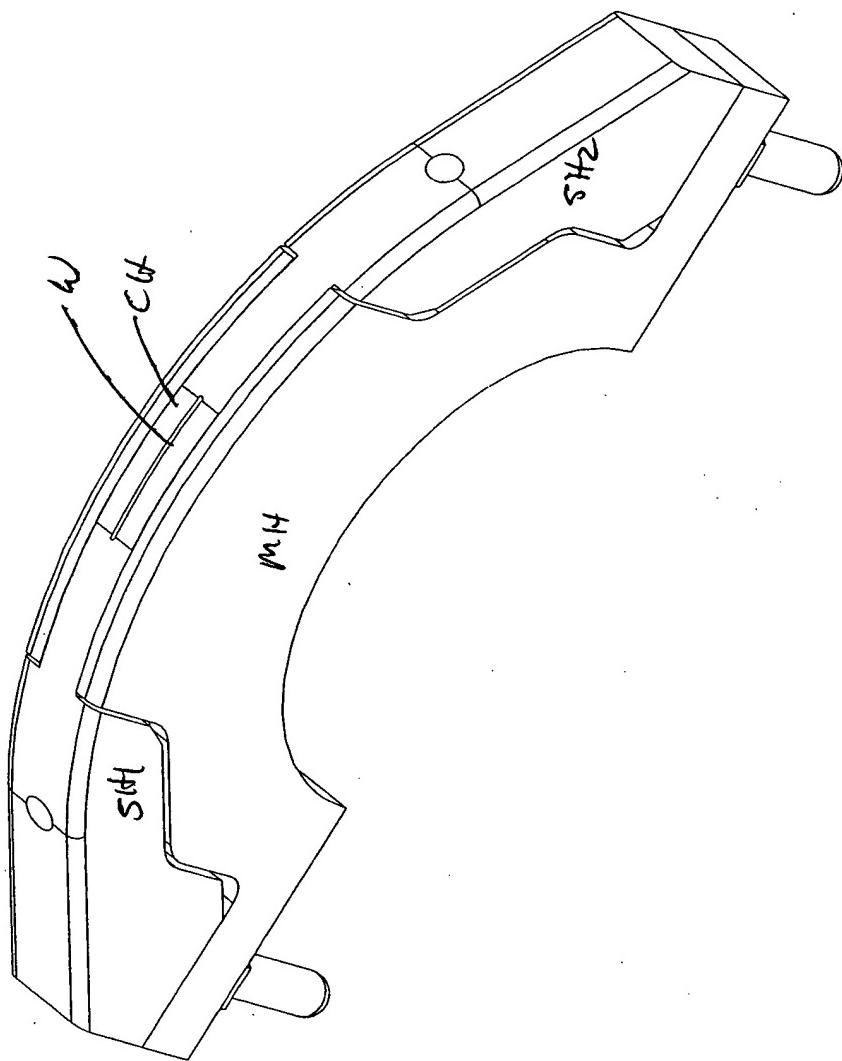


Fig. 164

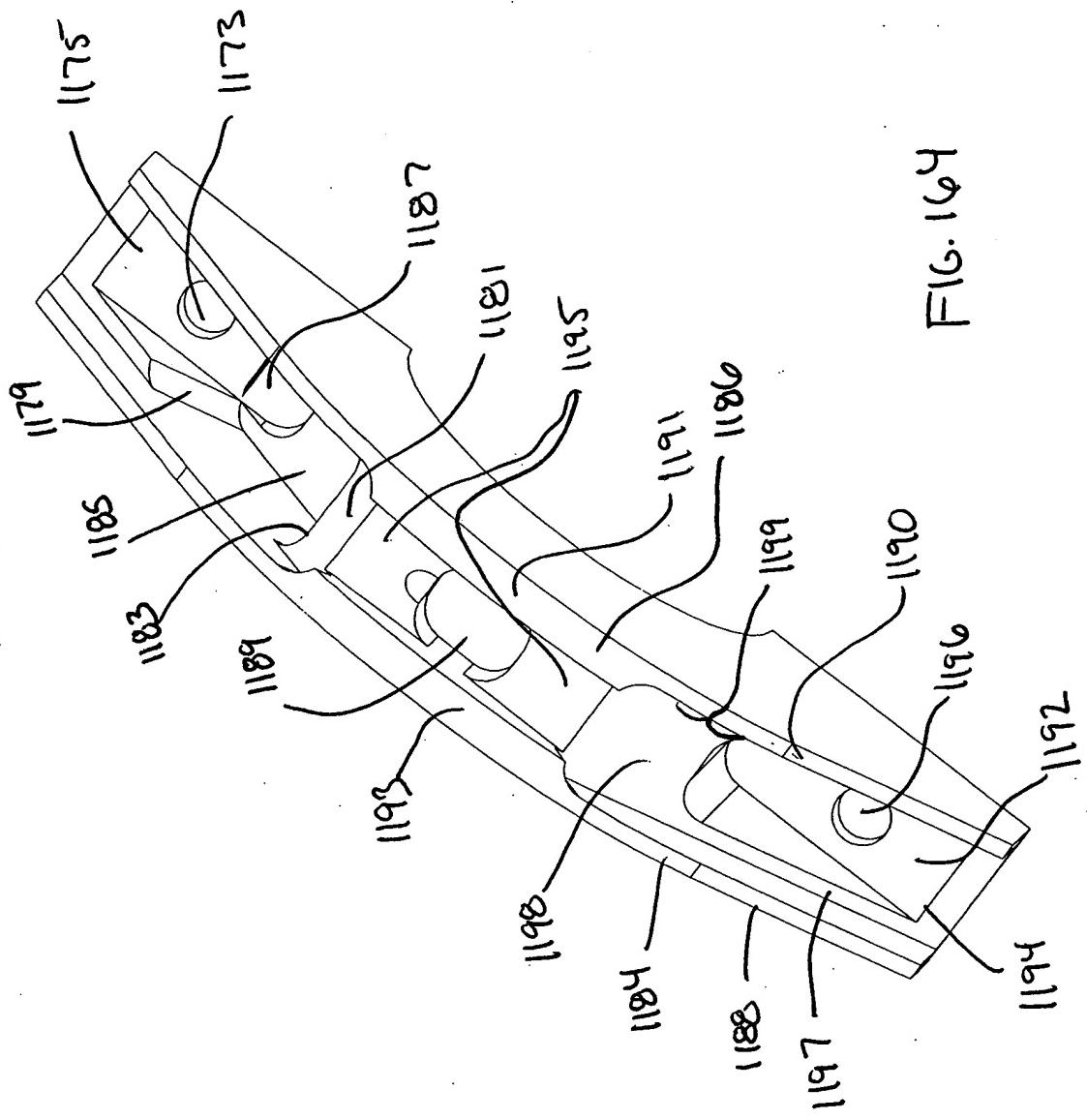
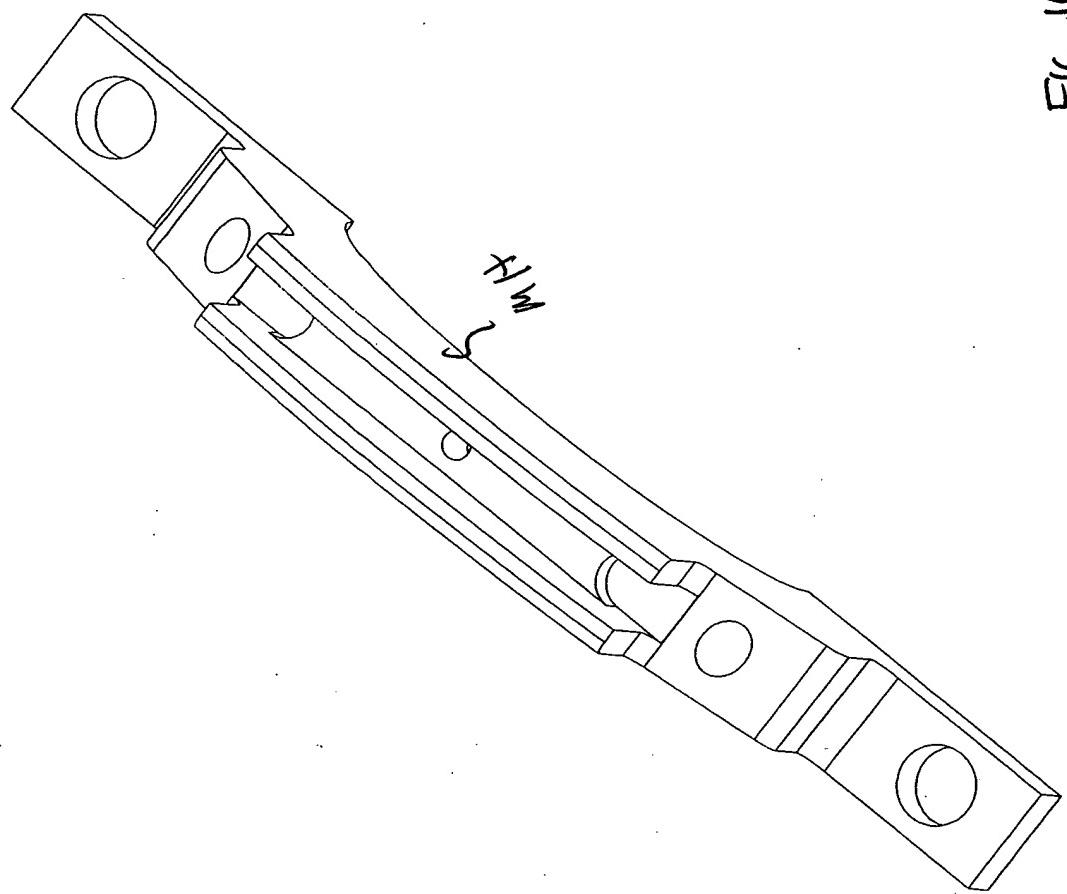


FIG. 164A



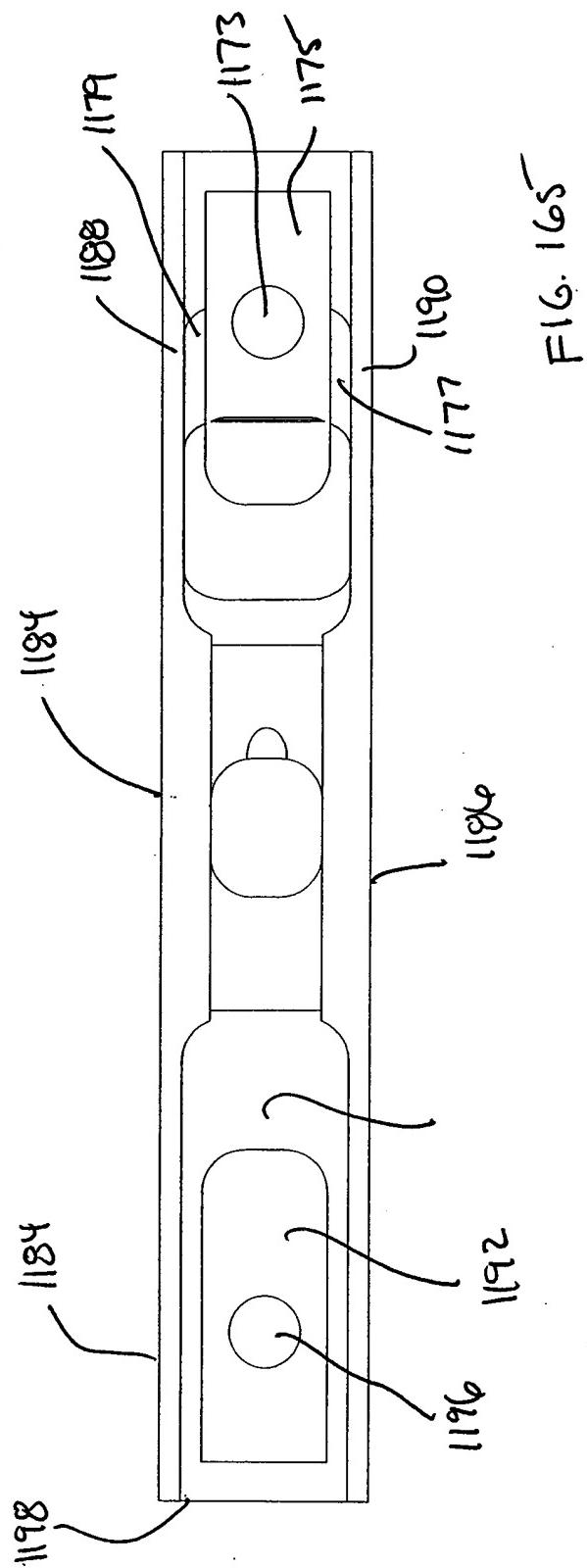


FIG. 165

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1177
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1188

1198

Fig. 165A

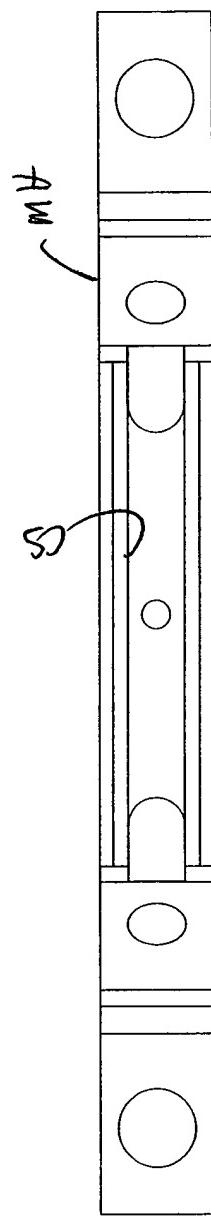


Fig. 116

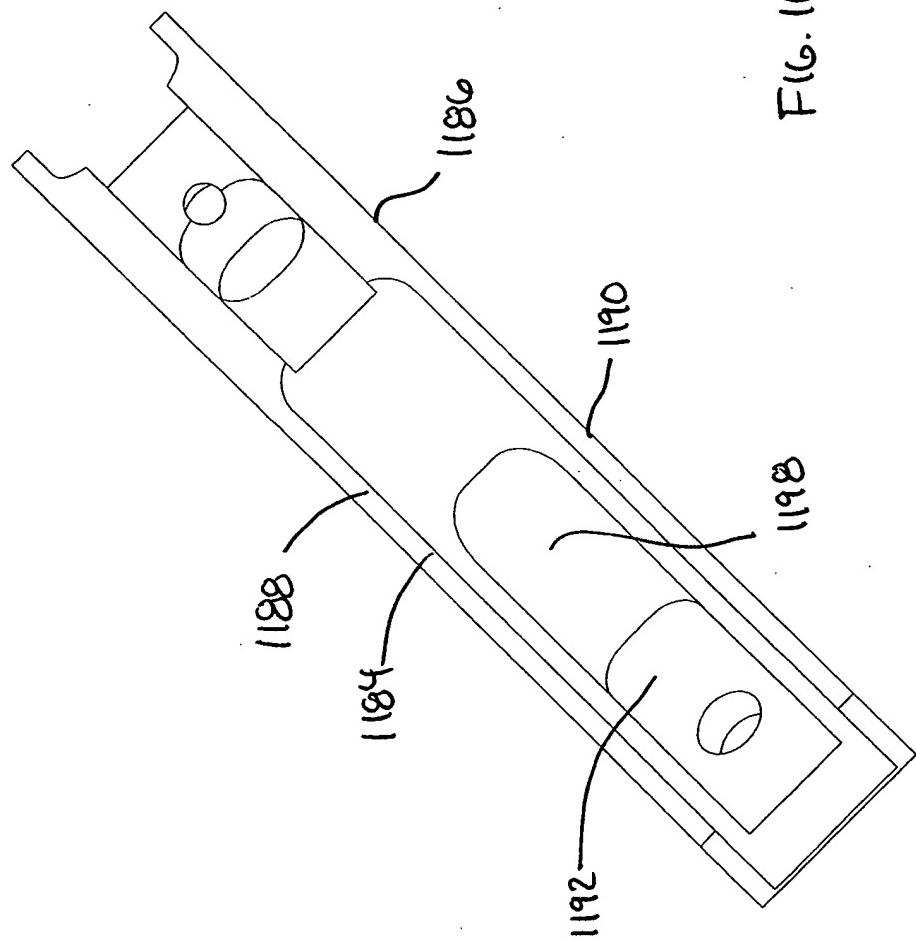
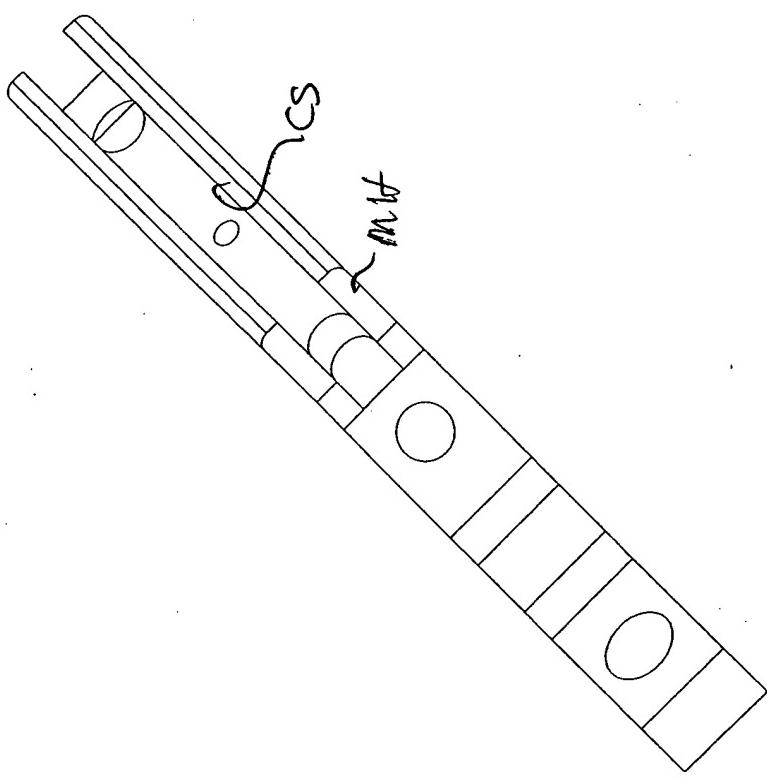


FIG. 166A



F(6.167)

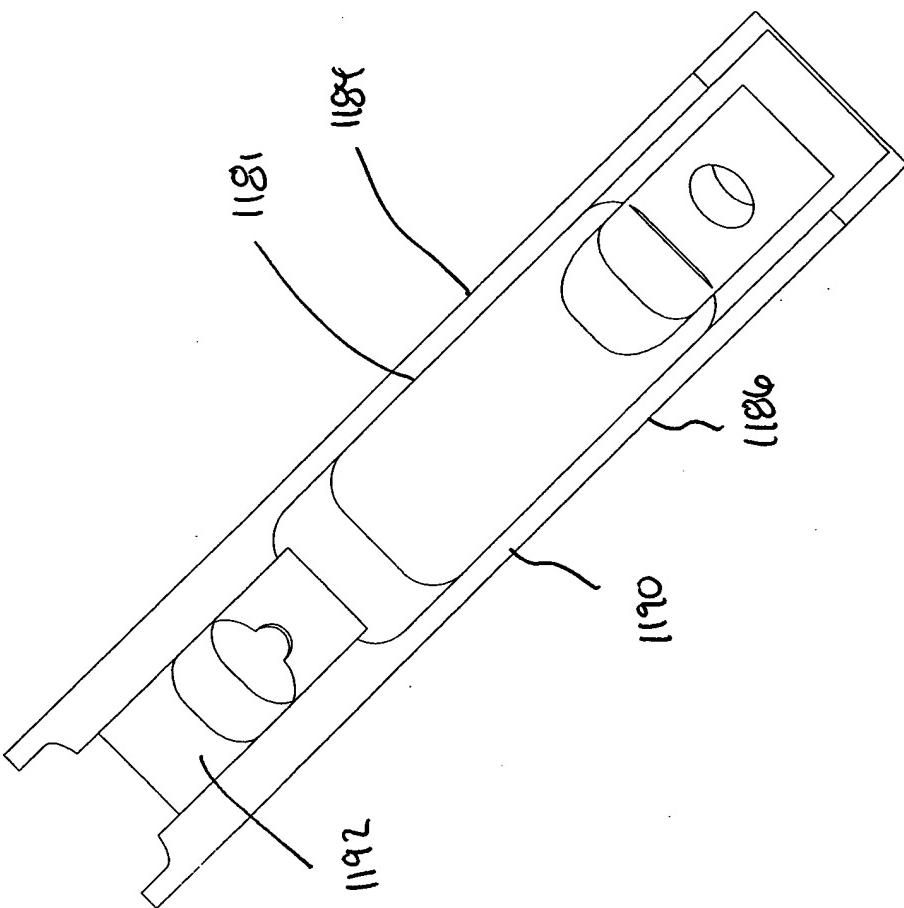


FIG. 16ZA

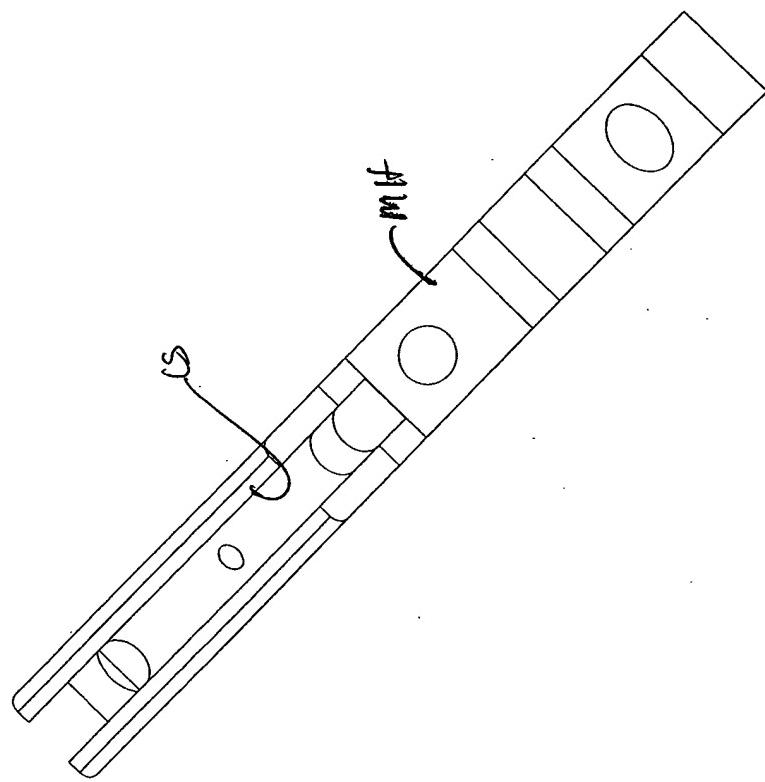
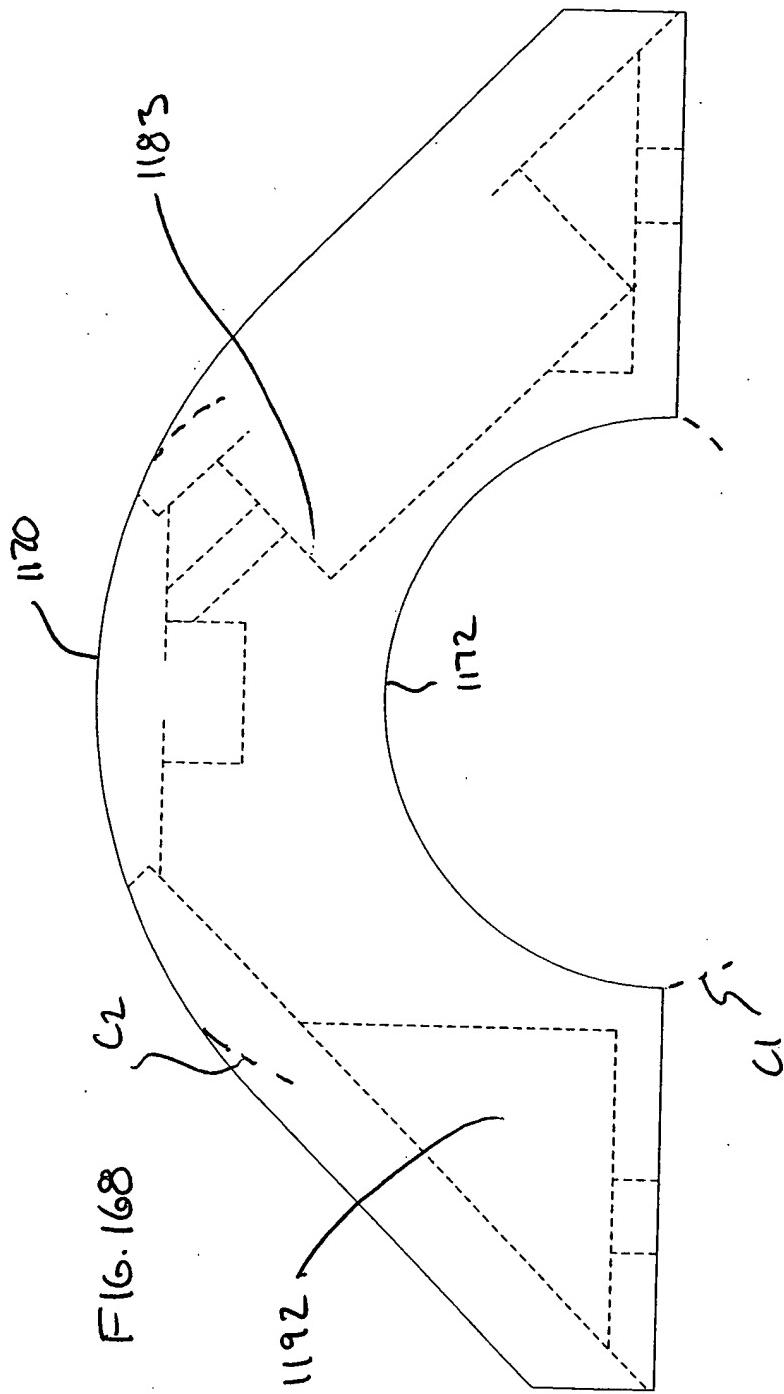


FIG. 168



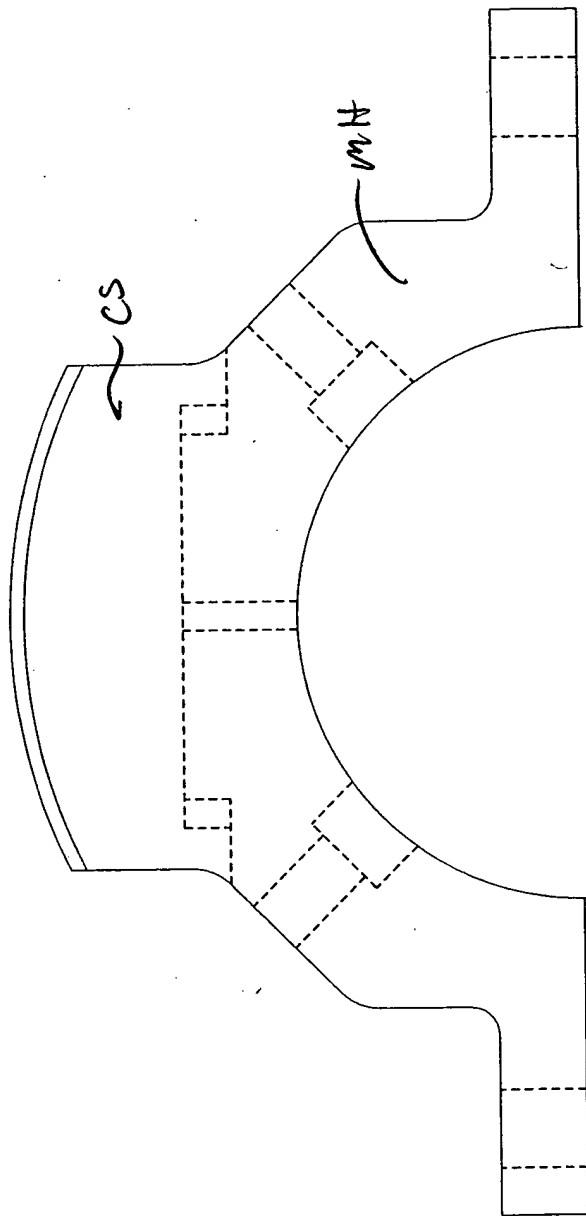
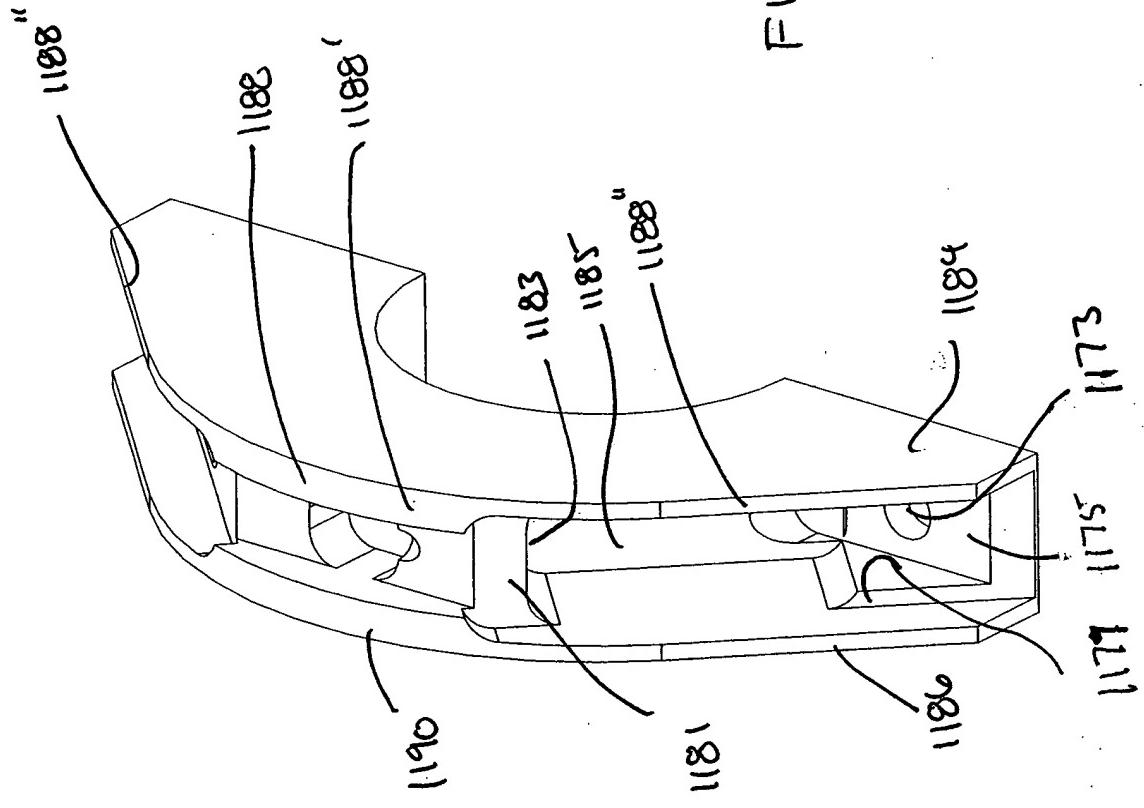


FIG. 16814



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FIG. 169A

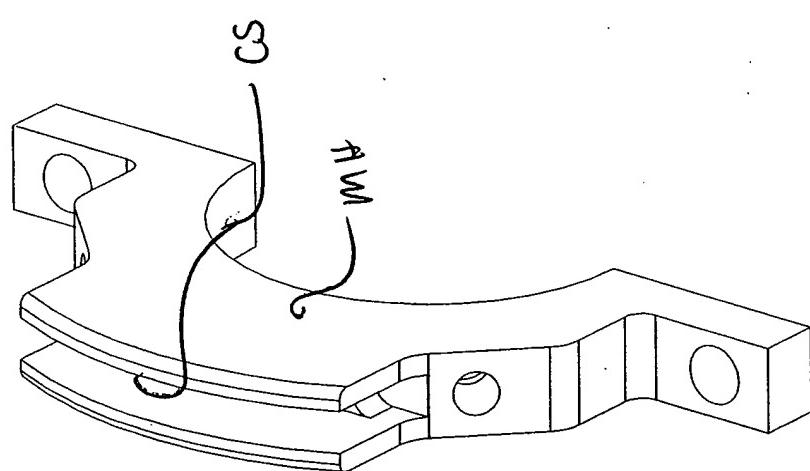


FIG. 170

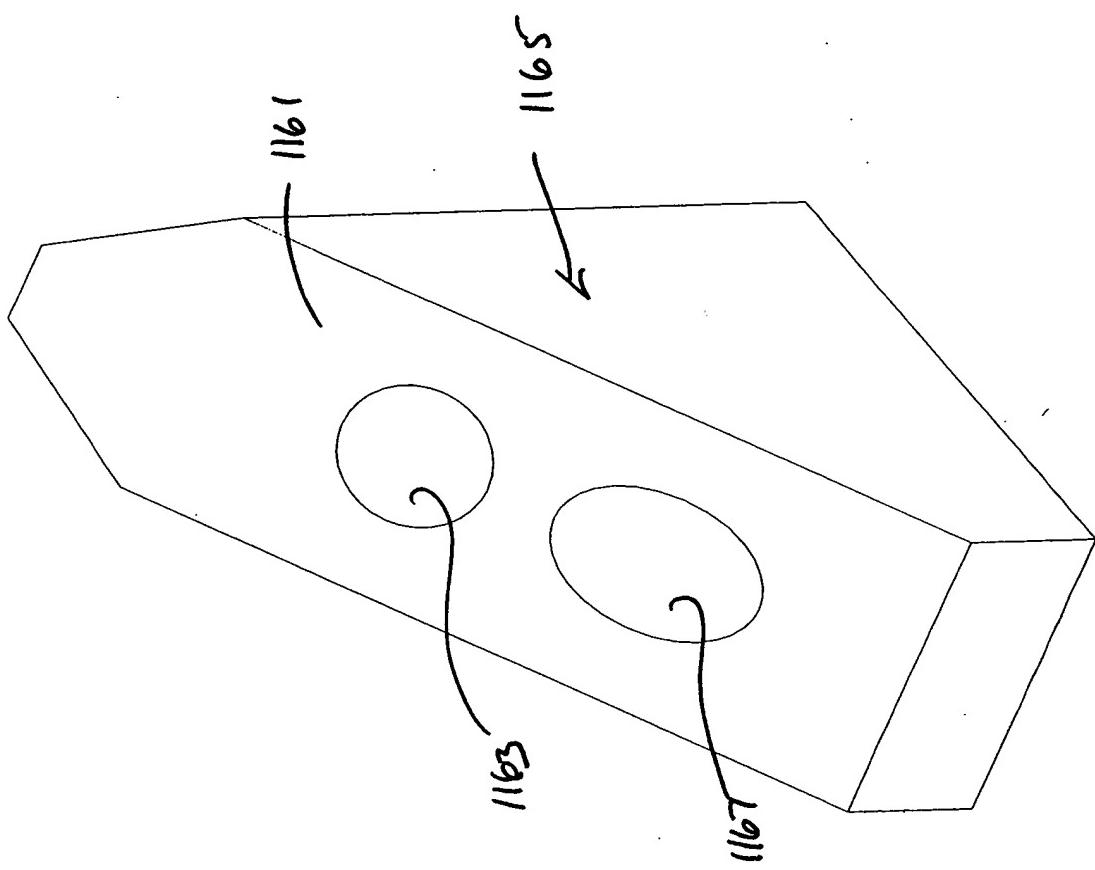


FIG. 170A

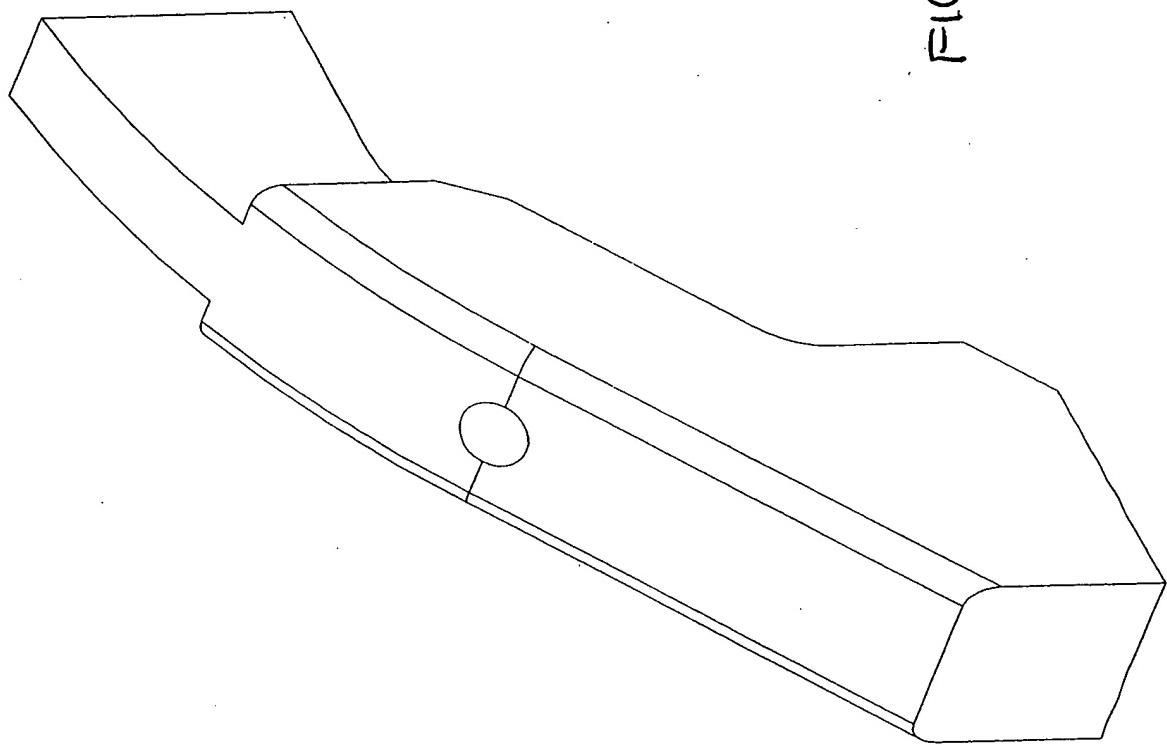


FIG. 171

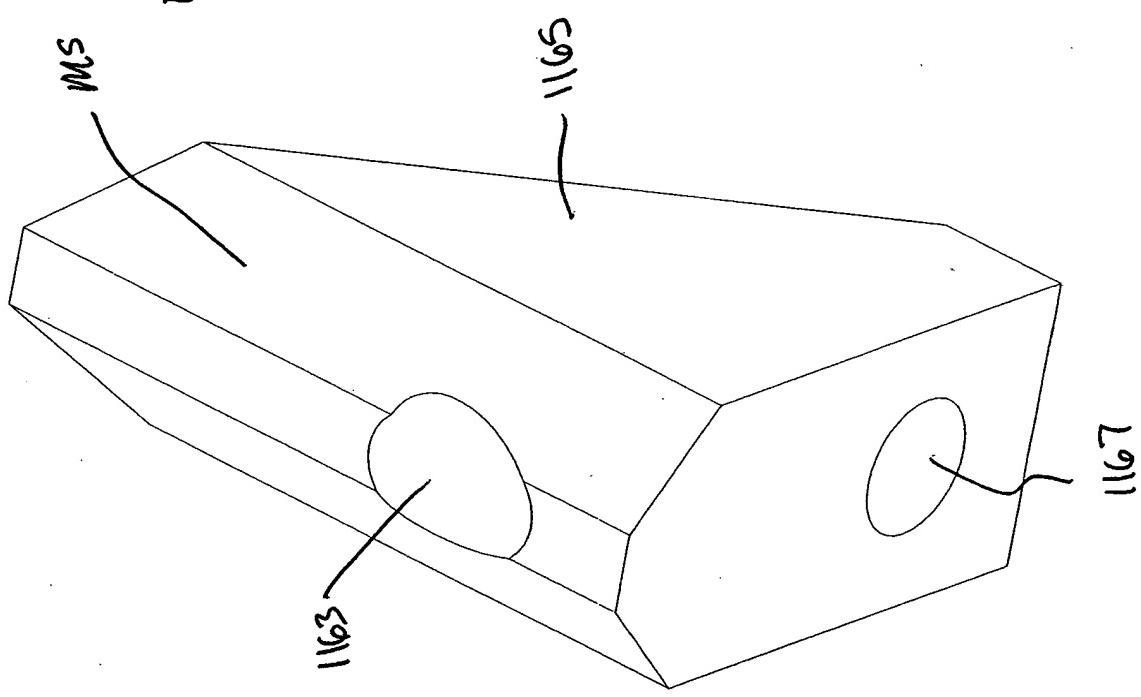
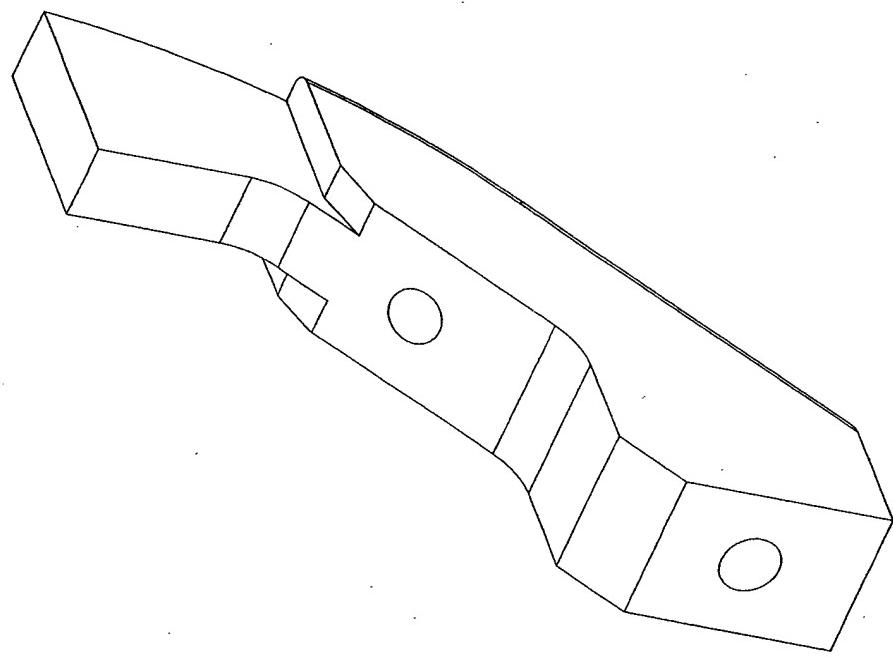


FIG. 171A



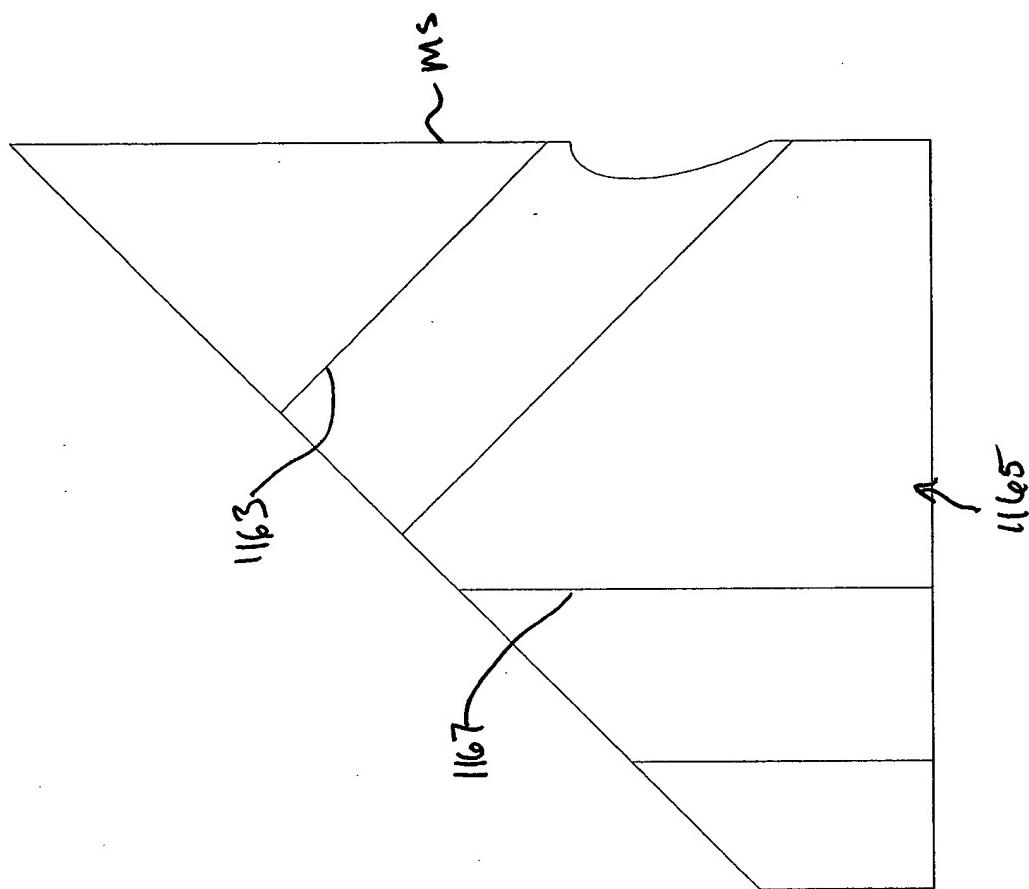


FIG. 172

FIG. 172A

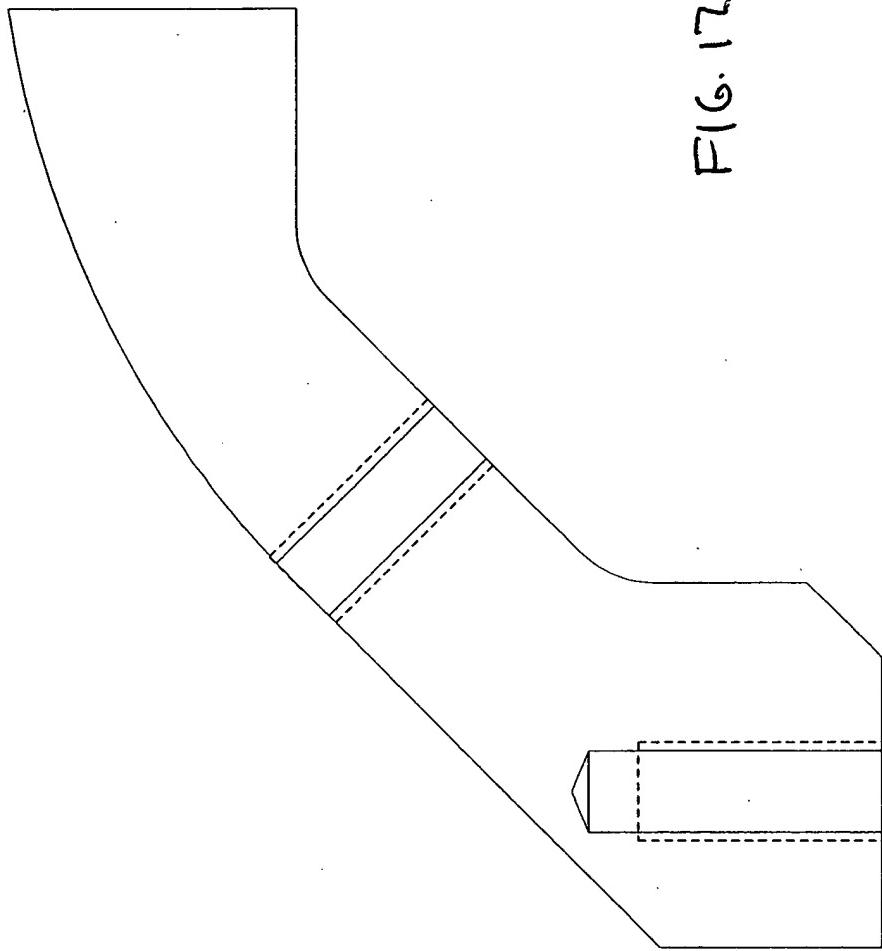
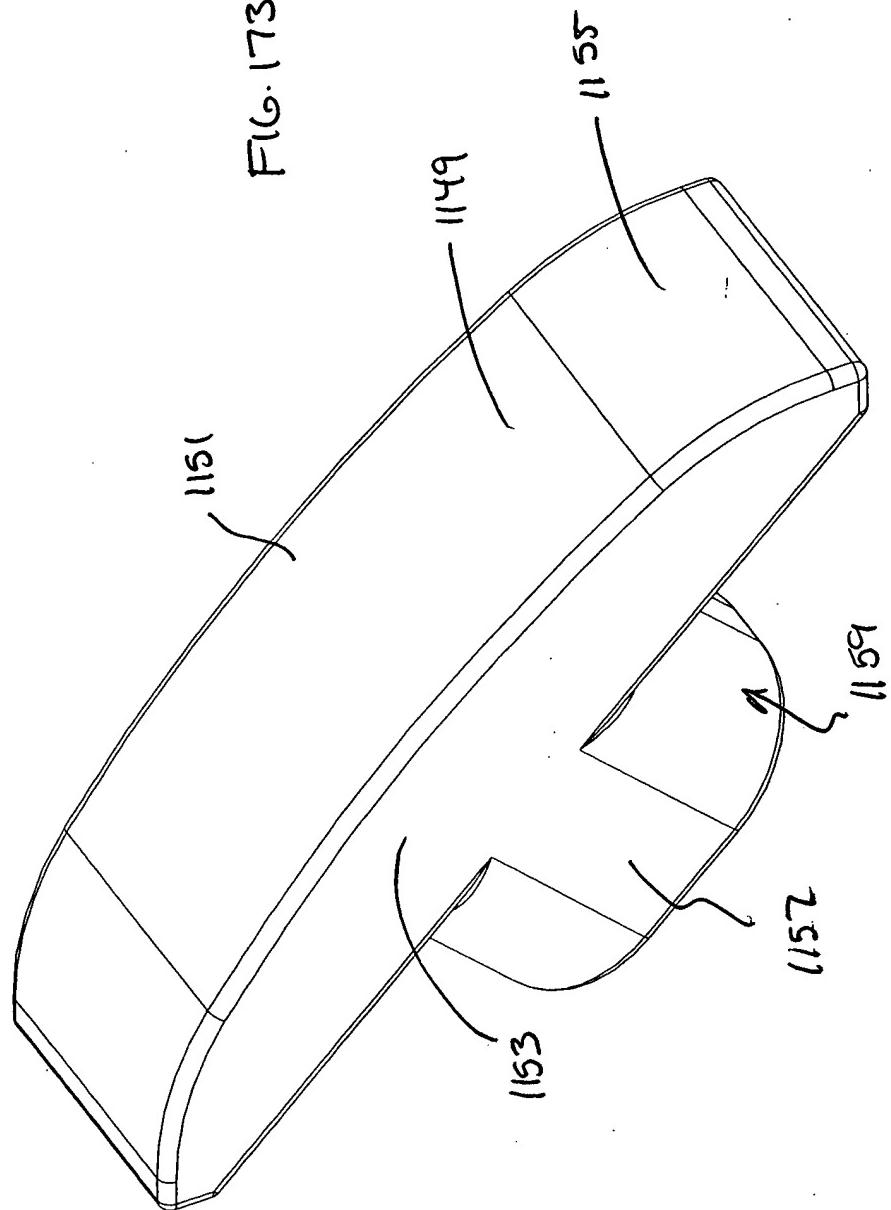


FIG. 173A



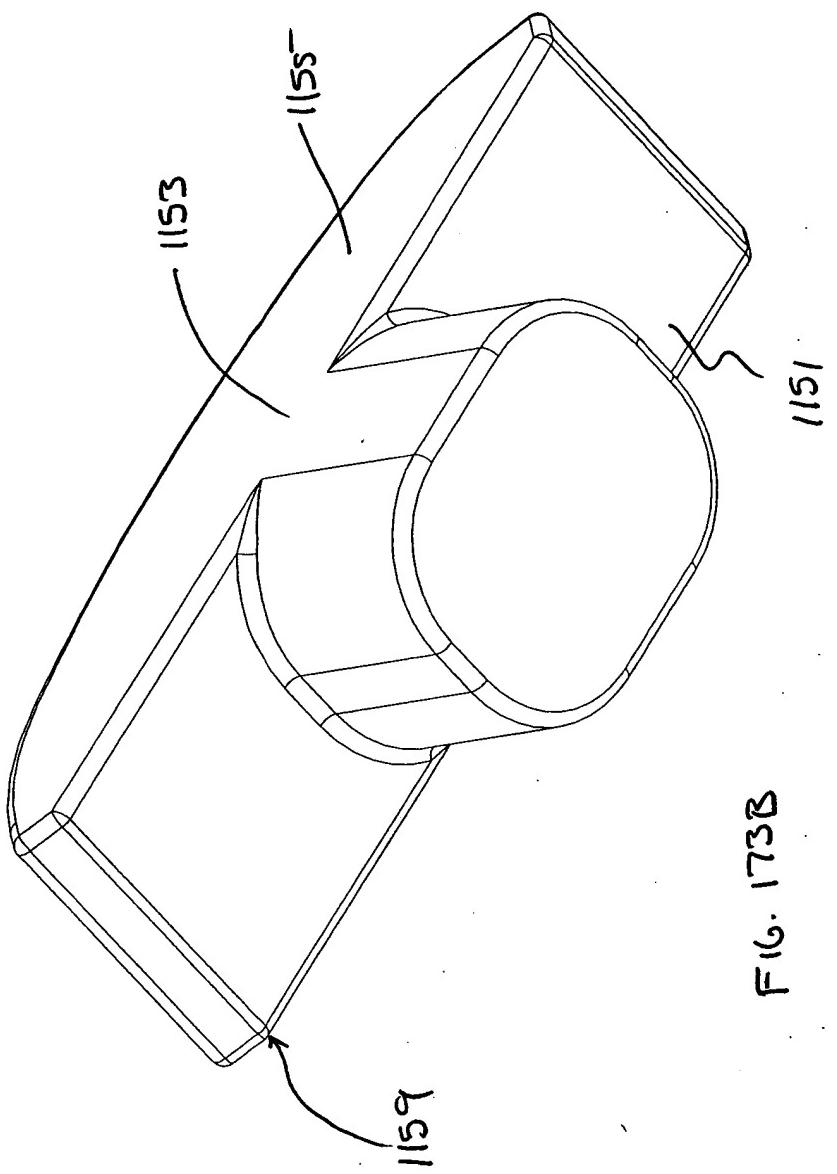


FIG. 1738

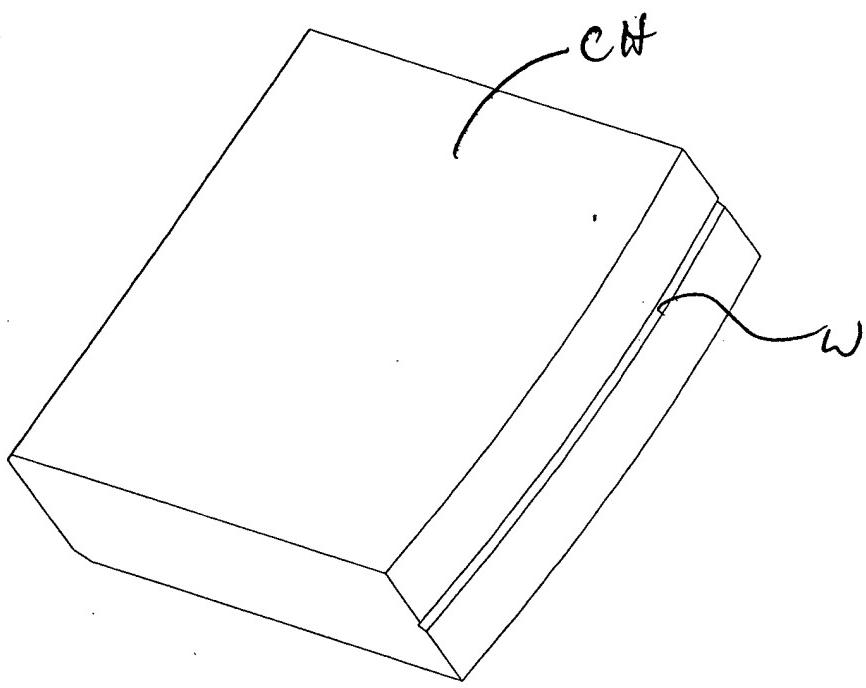
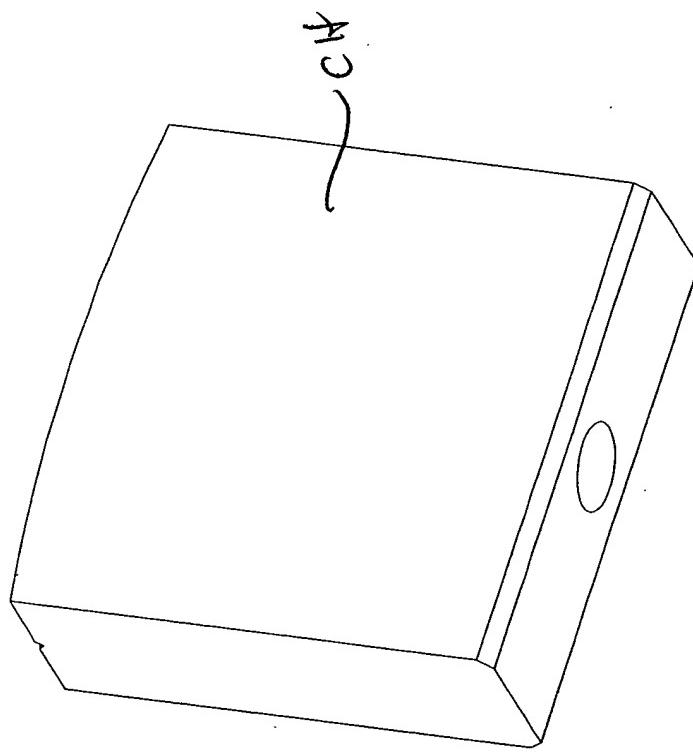


FIG. 173C

FIG. 173D



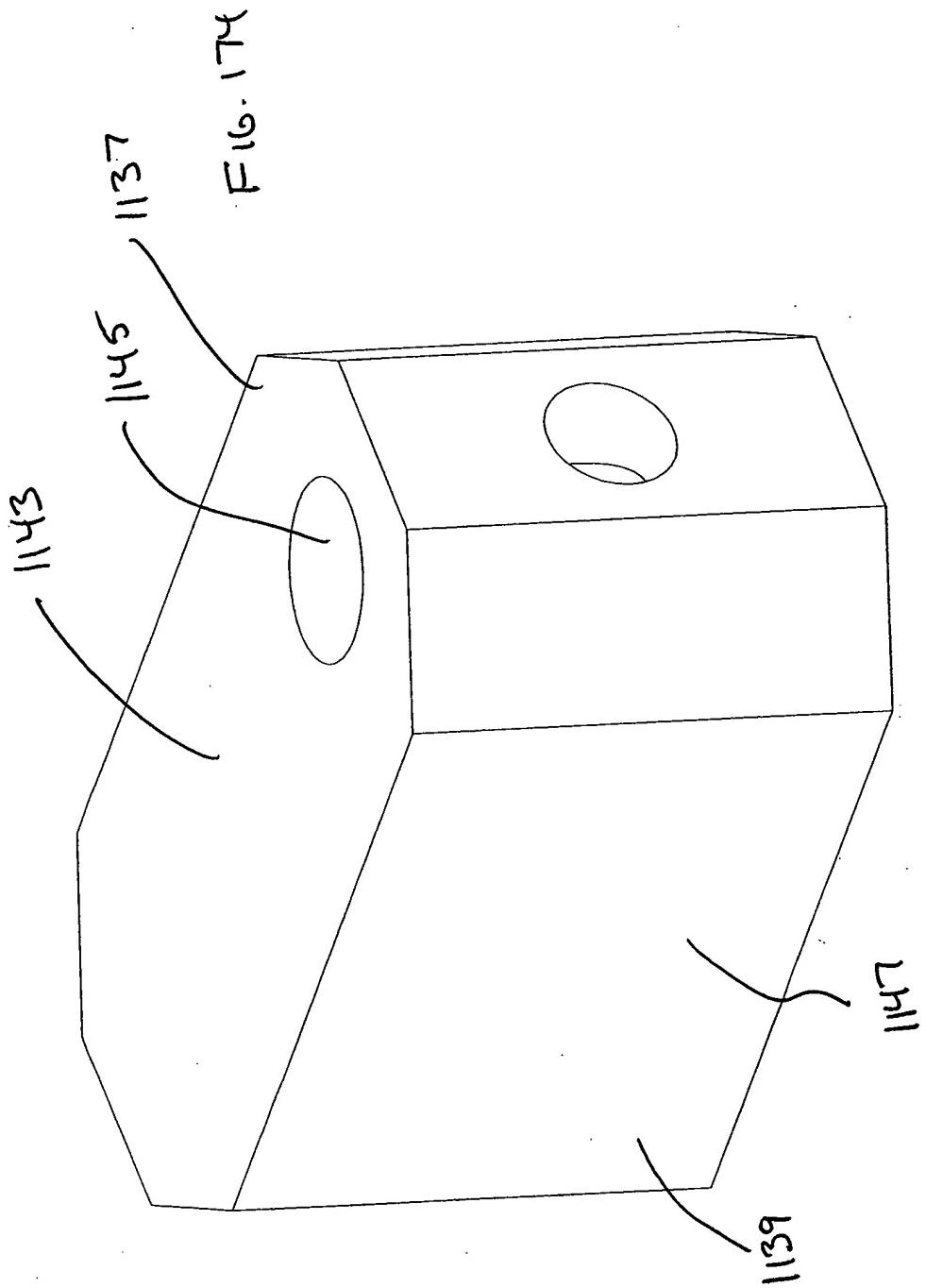


FIG. 175

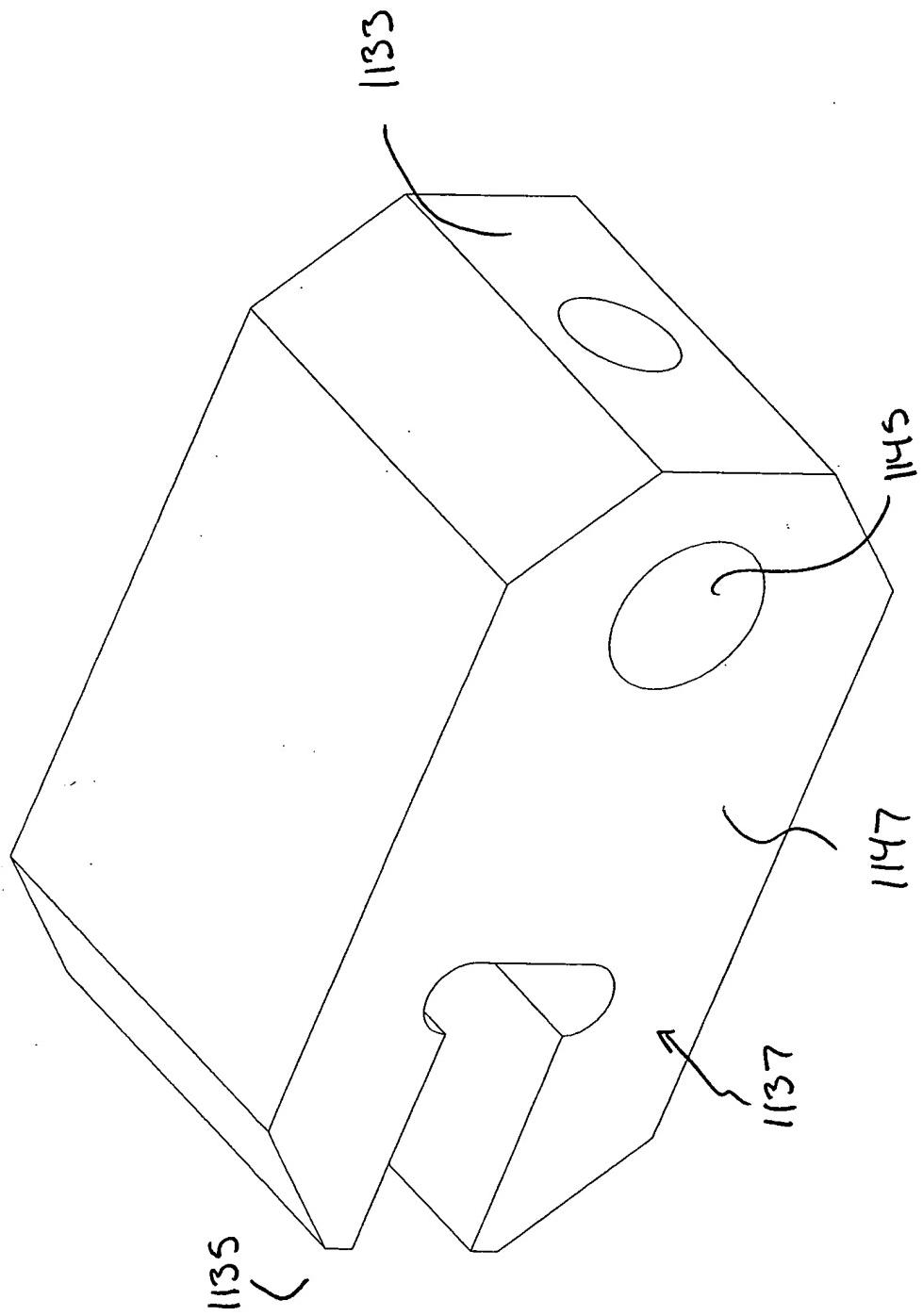
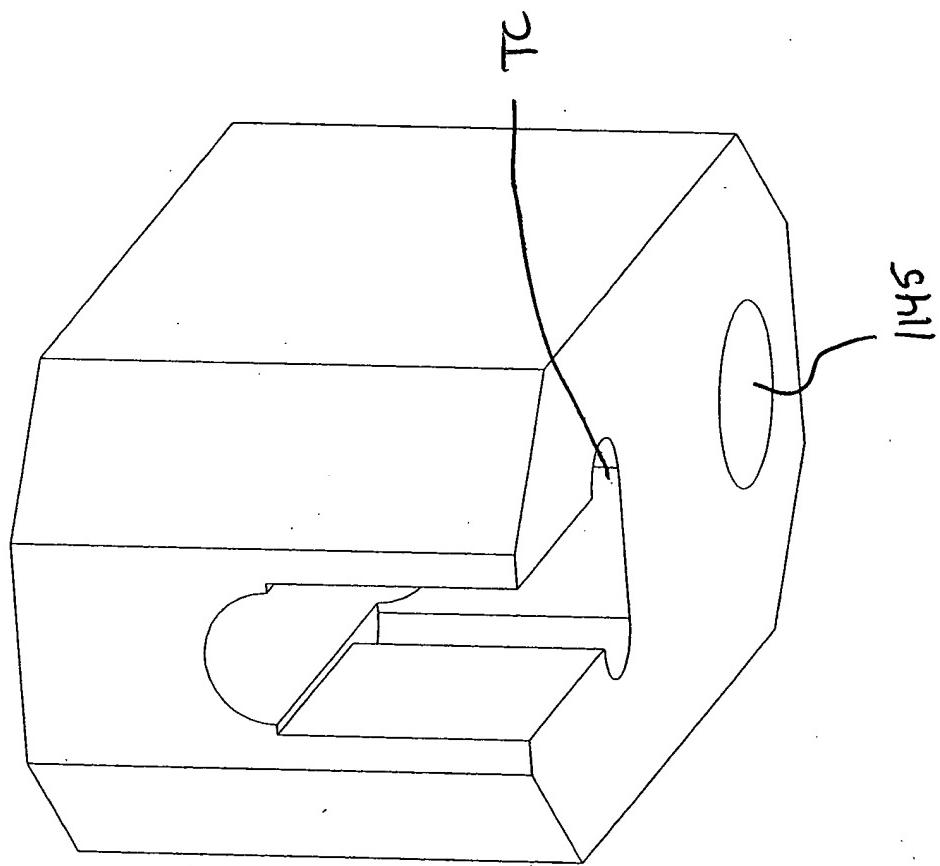


FIG. 176



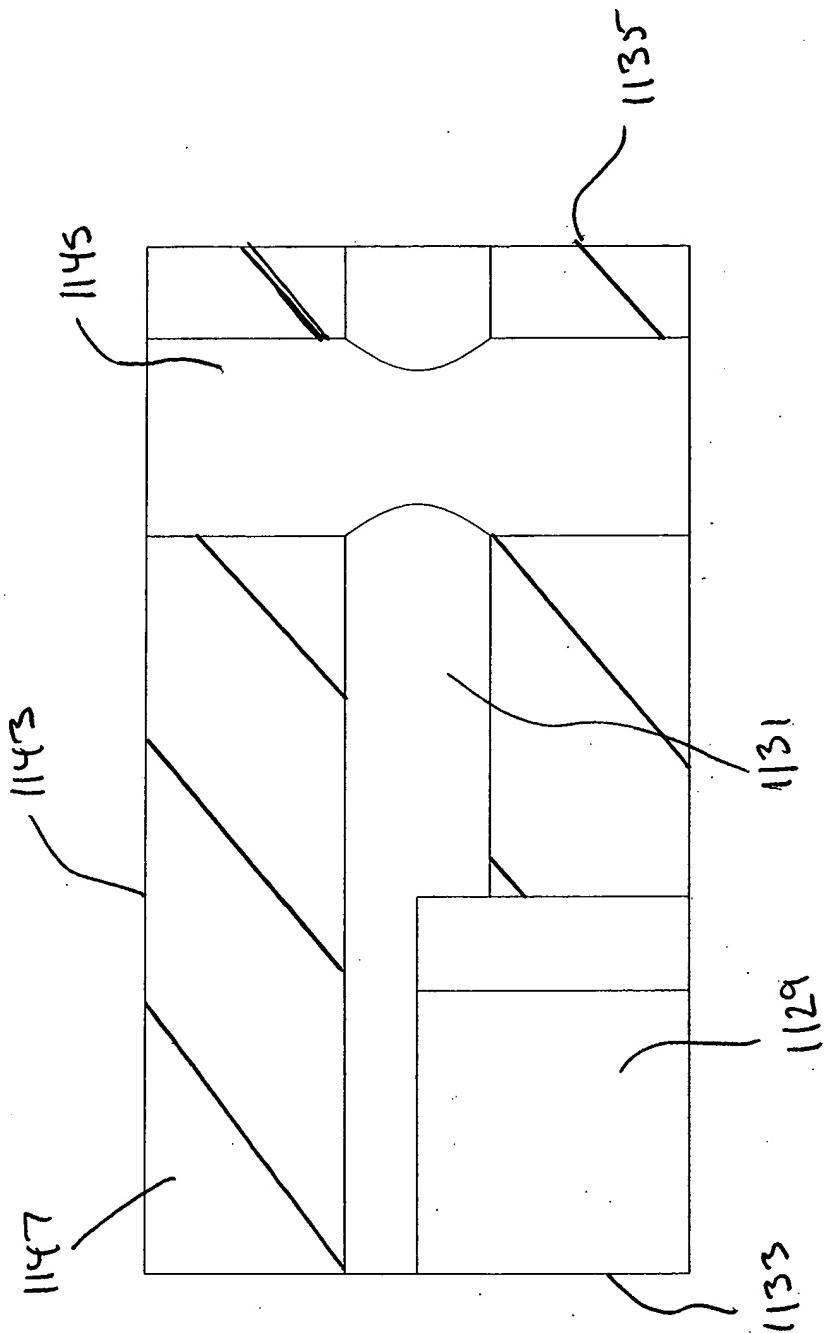


FIG. 177

III₃(111)

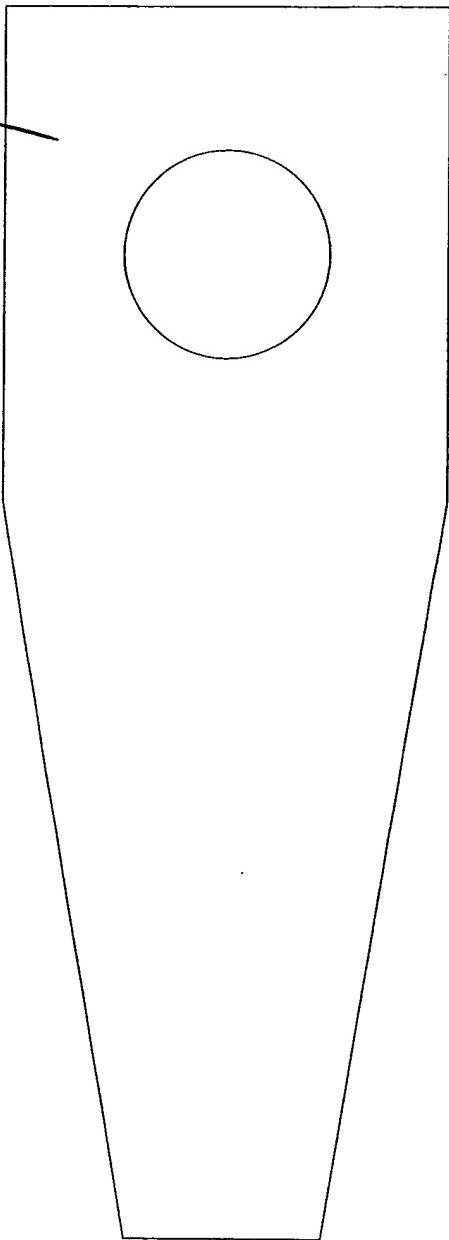


FIG. 178

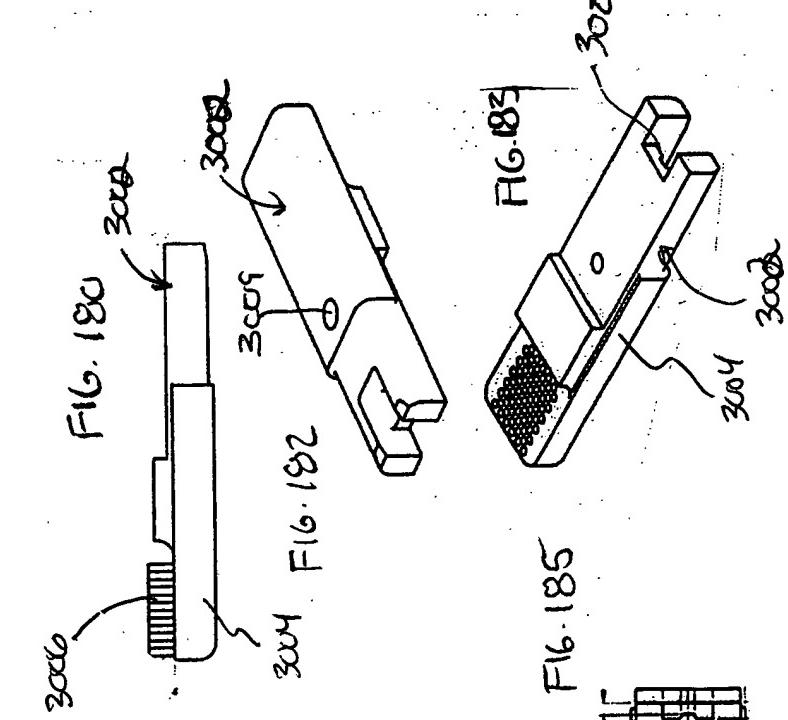
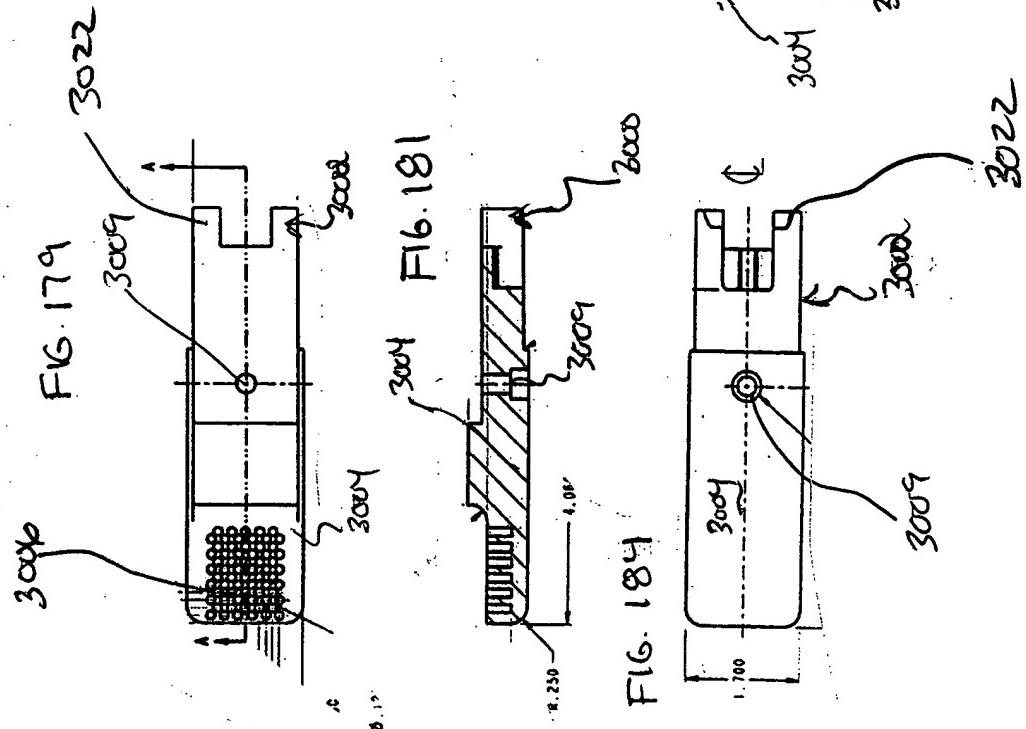


FIG. 184

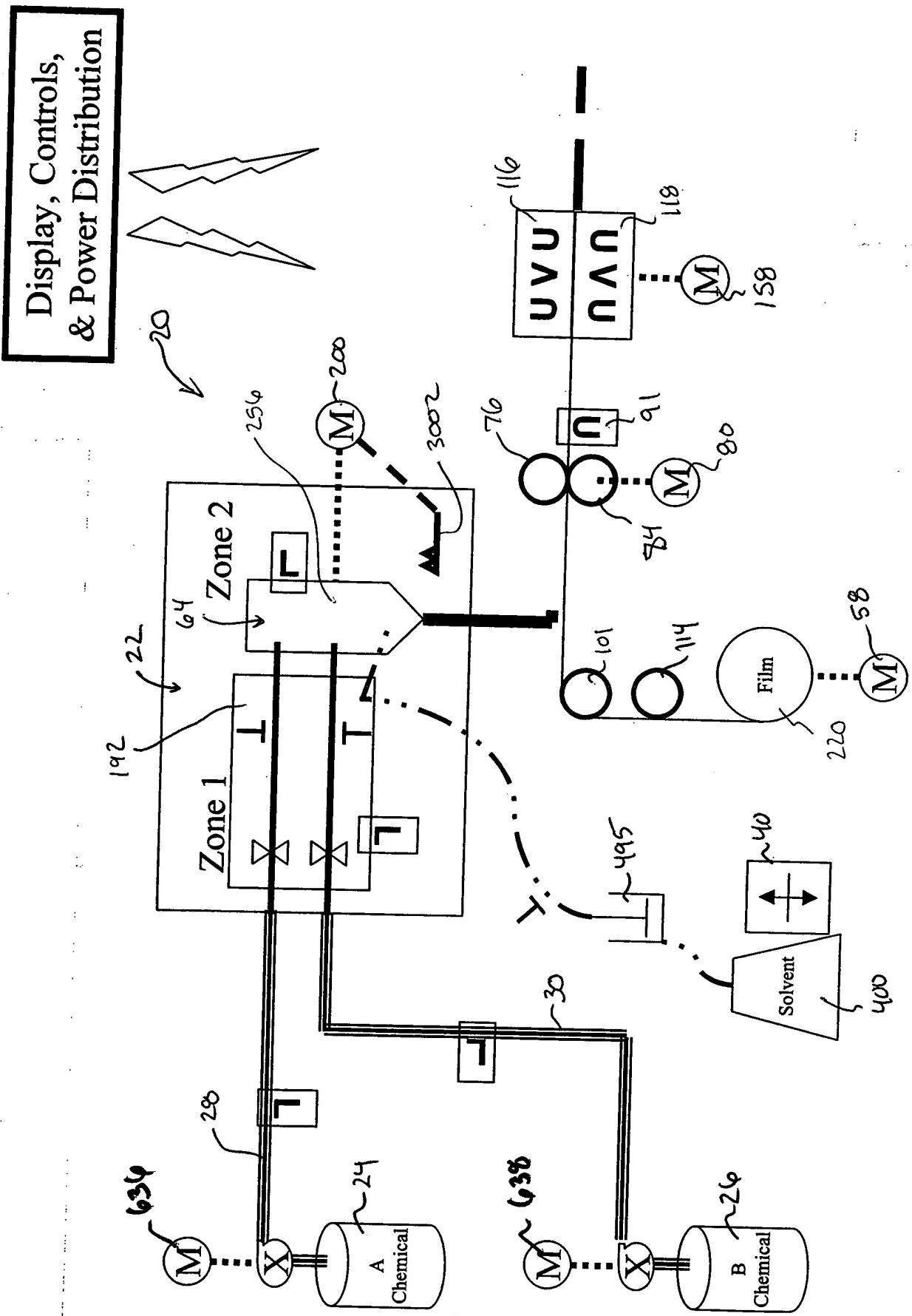


Fig. 186A

Legend

 = Motor

 = Linkage

 = Pump

 = Pump Shaft/Hose

 = Idler Roller

 = Nip Rollers

 = Heating element (all orientations)

 = Filter

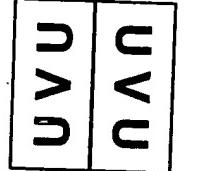
 = Pressure Transducer (all orientations)

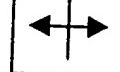
 = Tip Cleaning Brush

 = Solvent Pump

 = Mixing Module +

 = Edge Seal Wire

 = Jaw Assembly
(X-seal, X-cut,
X-seal)

 = Level Sensor

Top/Bottom X-Seal, X-cut

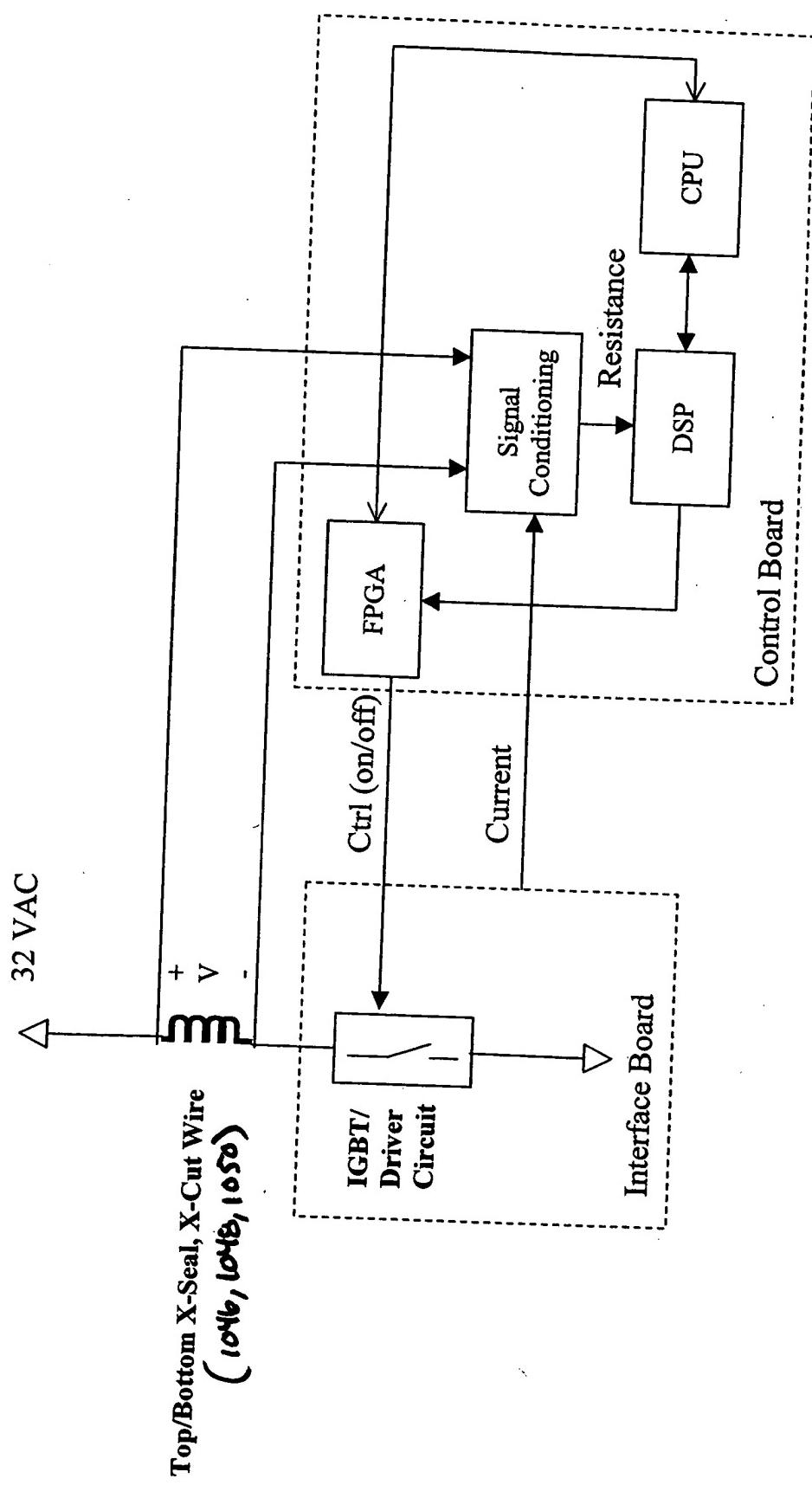


Fig. 187

Edge Seal

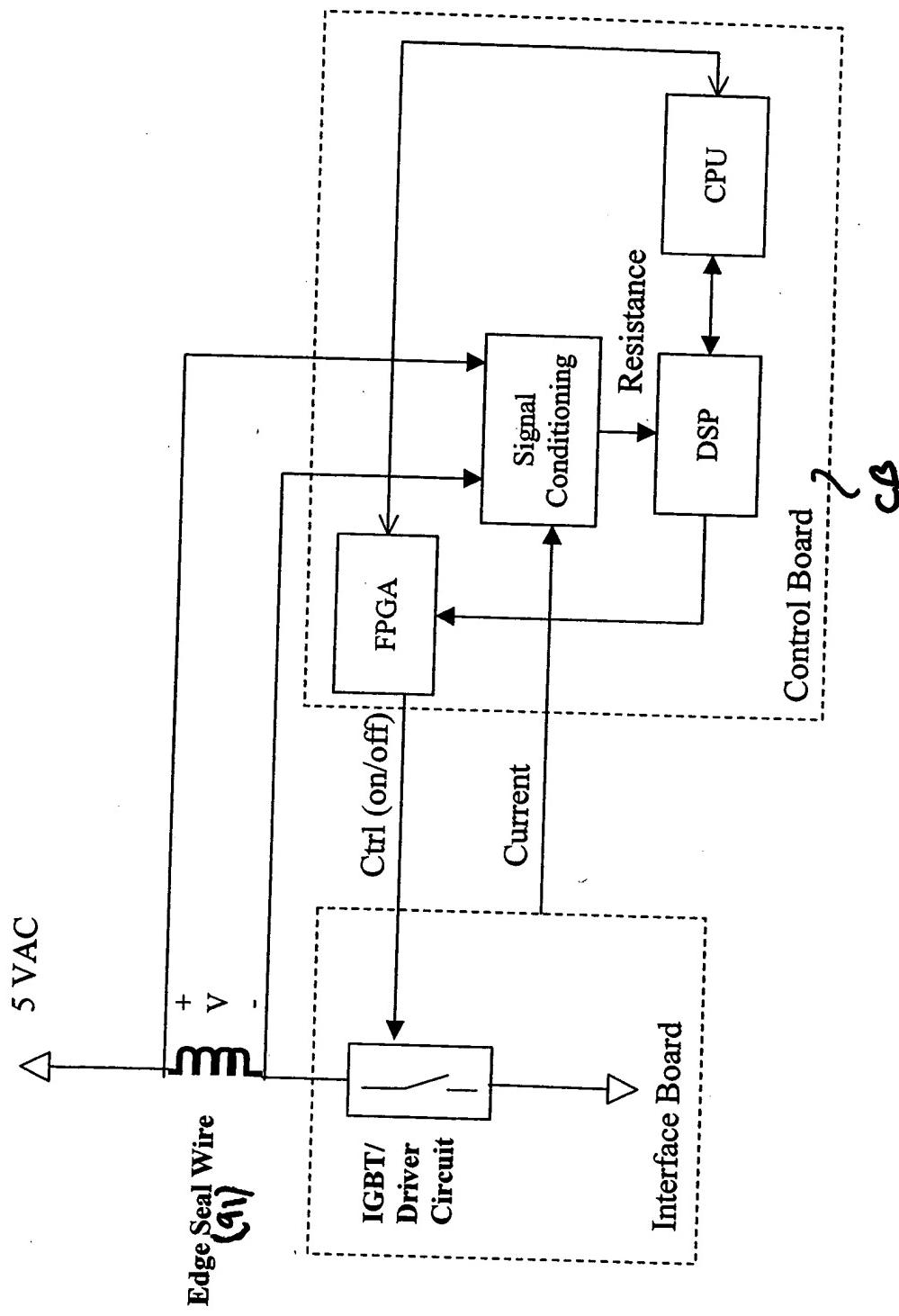


FIG. 188

18

Moving Jaw

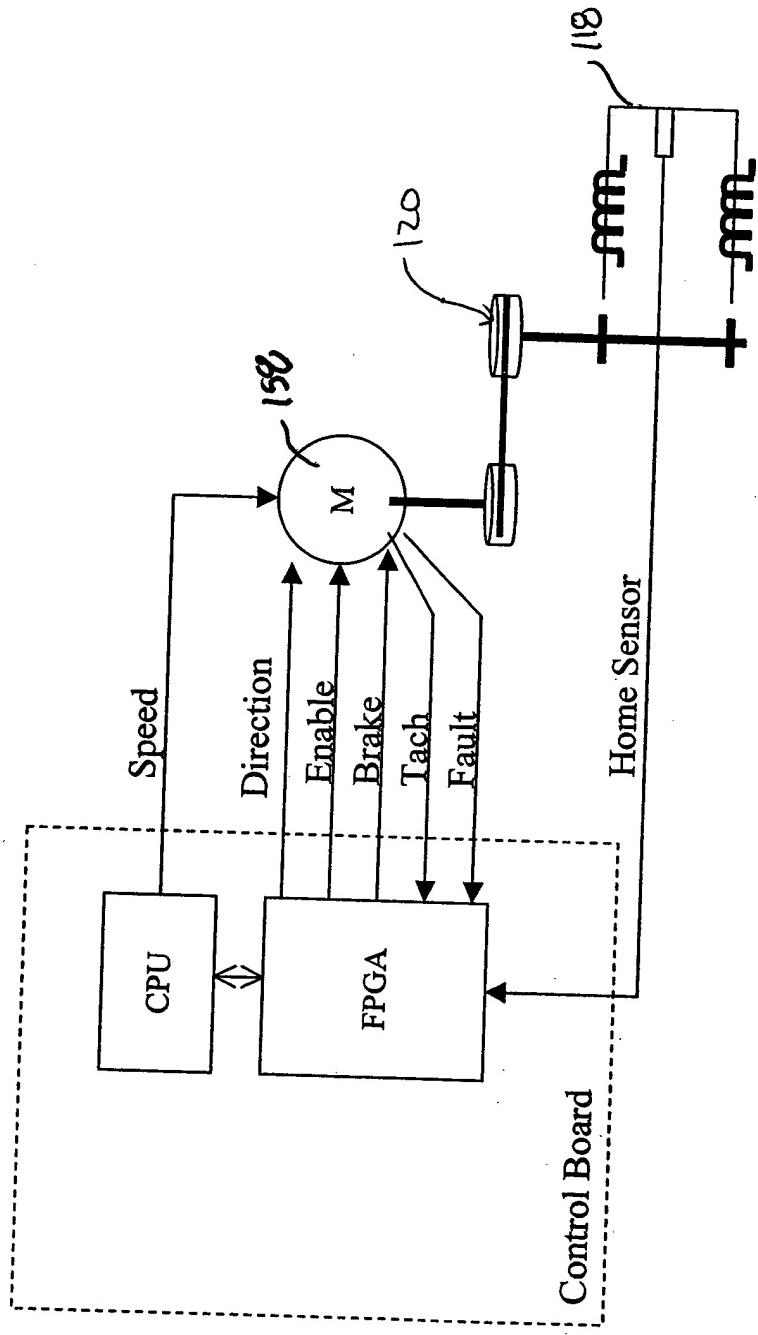


Fig. 189

Chemical Dispensing/Tip Cleaning

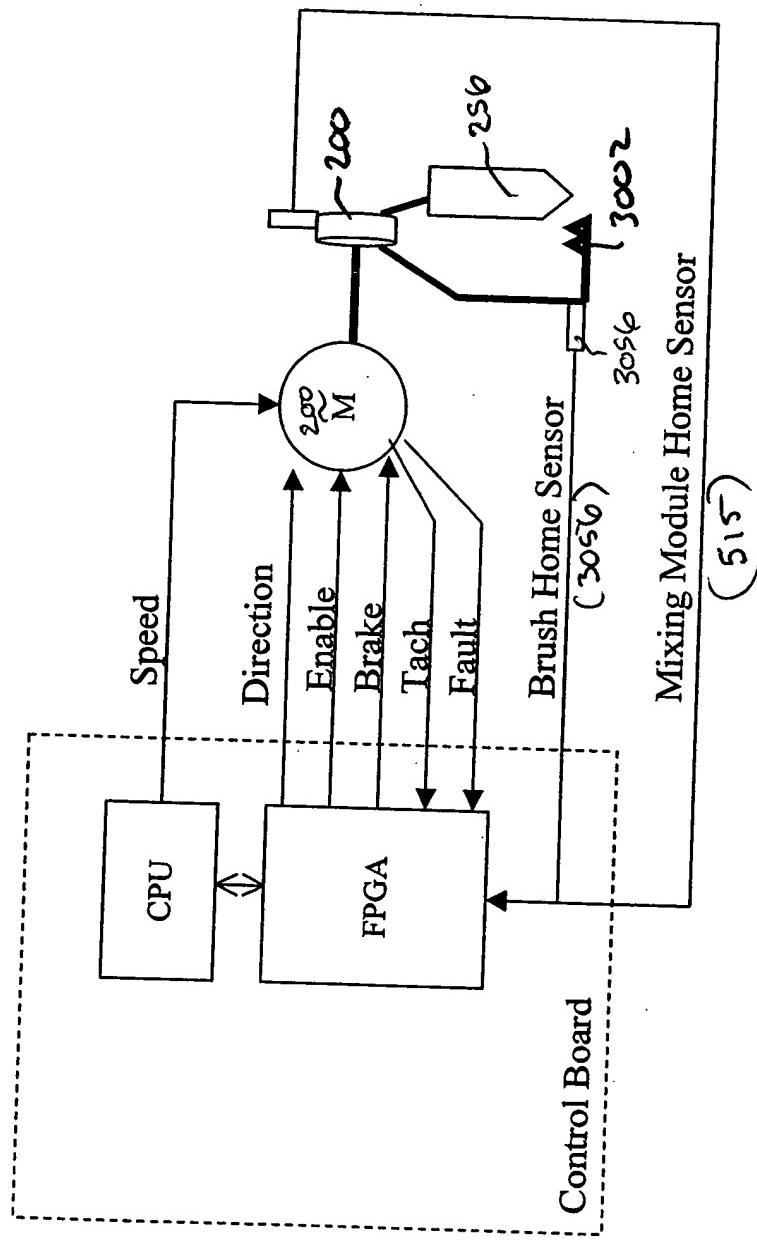


FIG. 190

Film Advance/Tracking

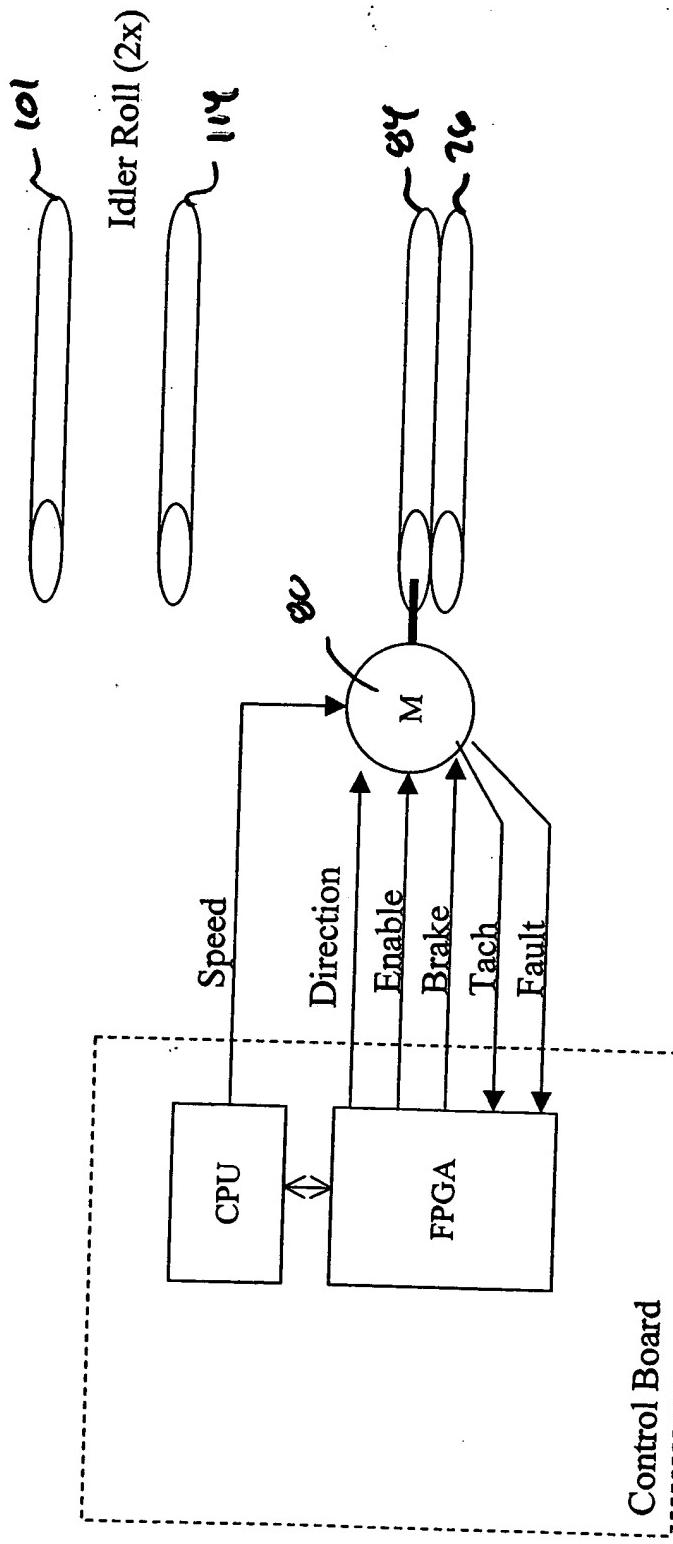
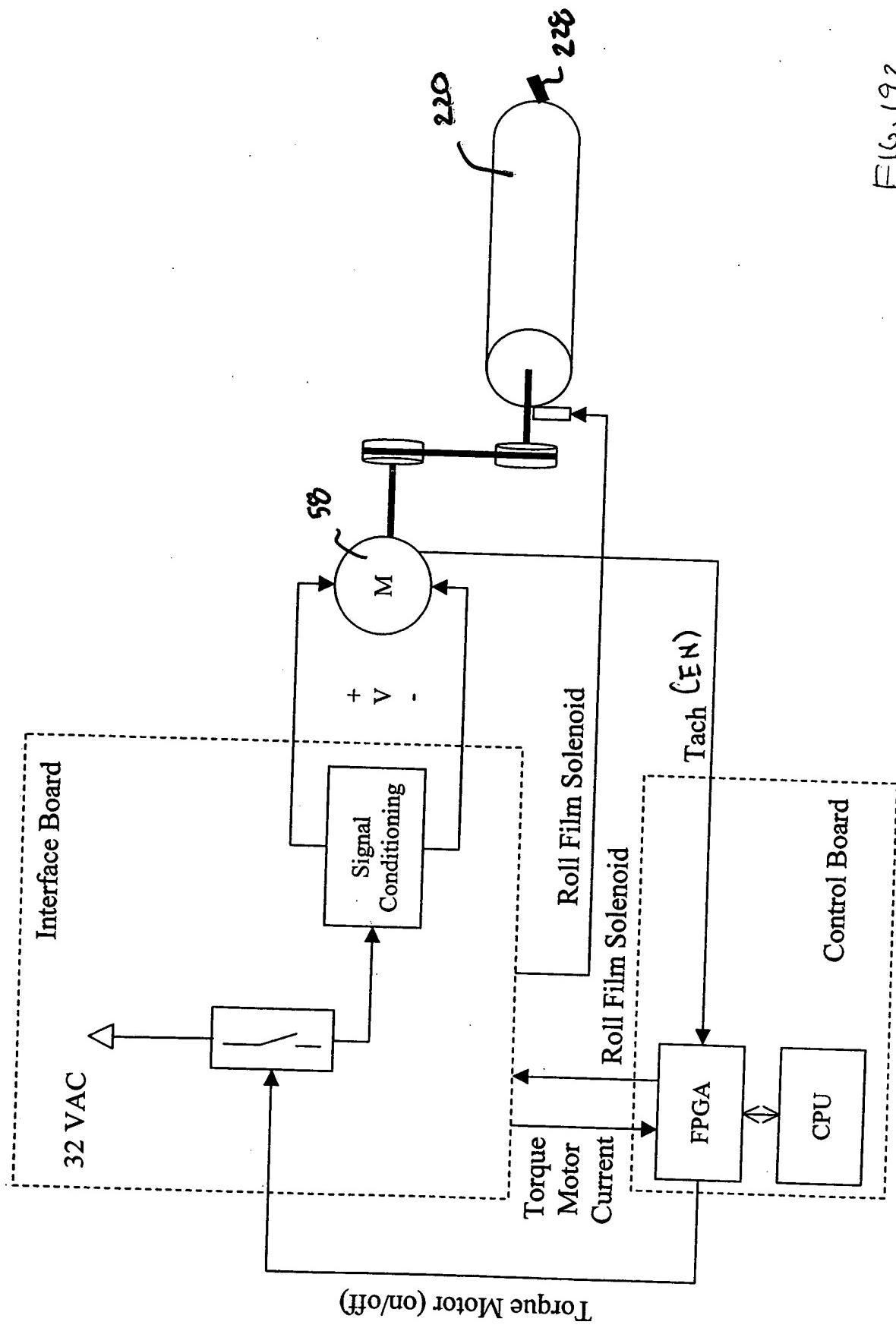
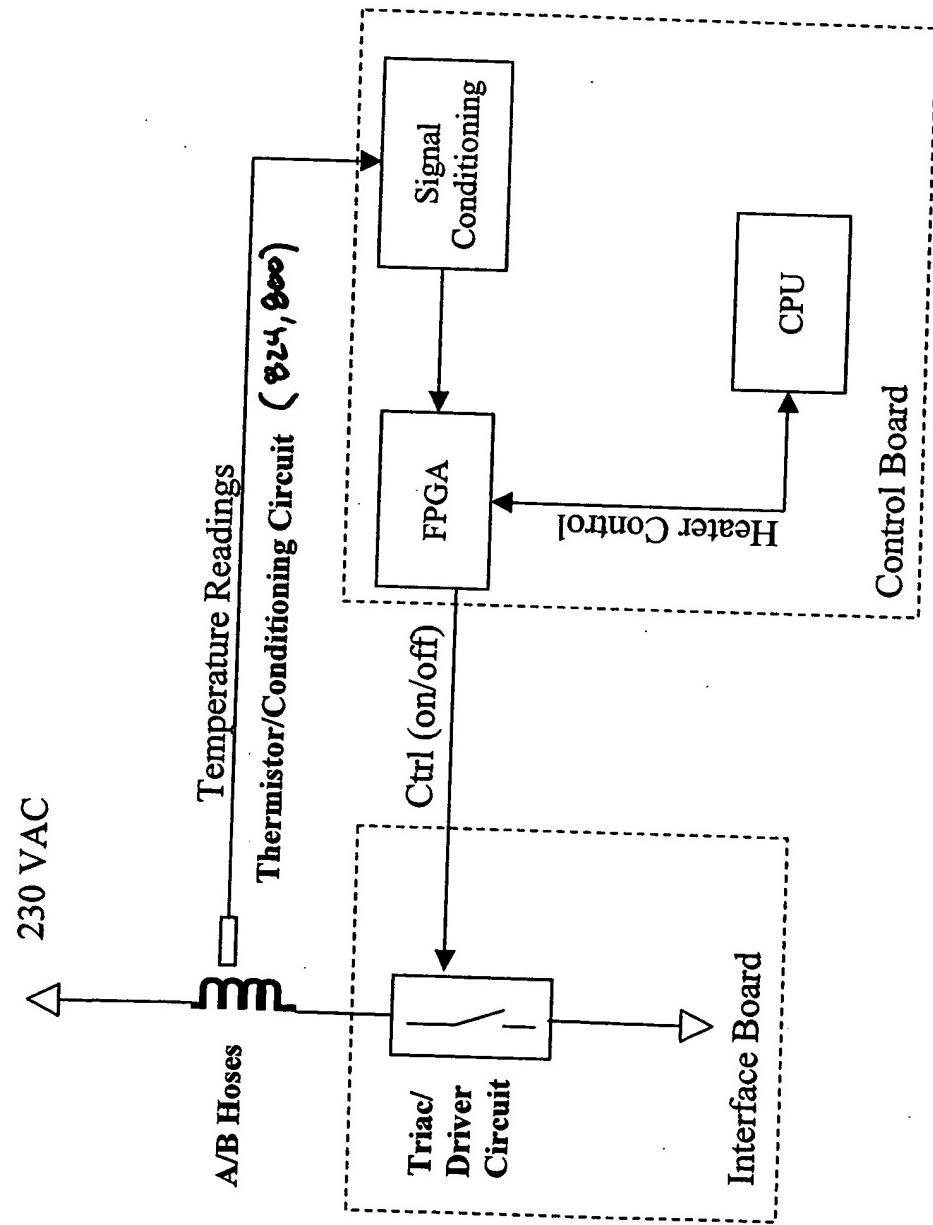


Fig. 191

Film Tension



Chemical Temperature Control (Hoses)



F16.193

Chemical Temperature Control (Manifold Zones)

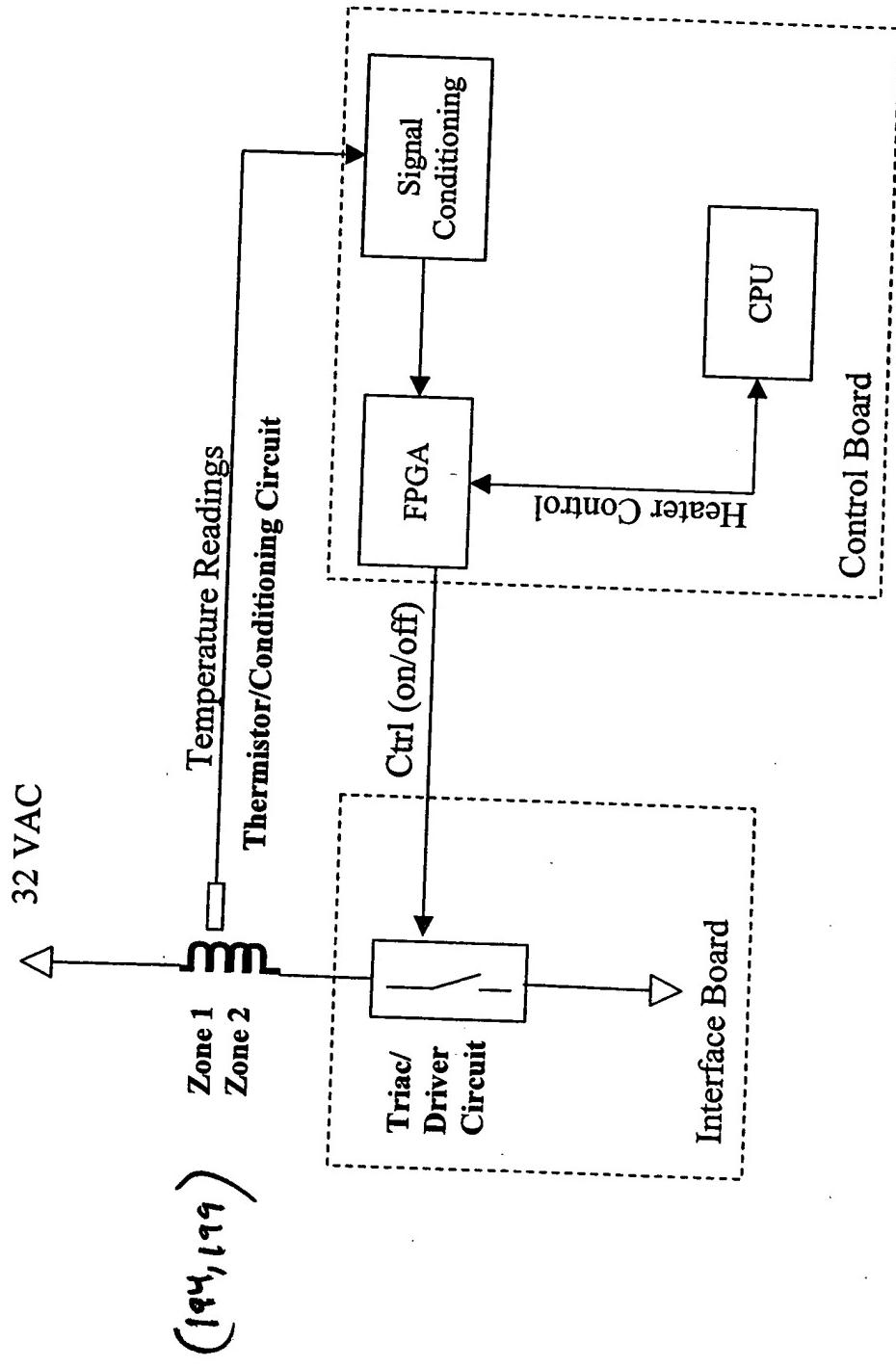


FIG. 194

Chemical Pressure

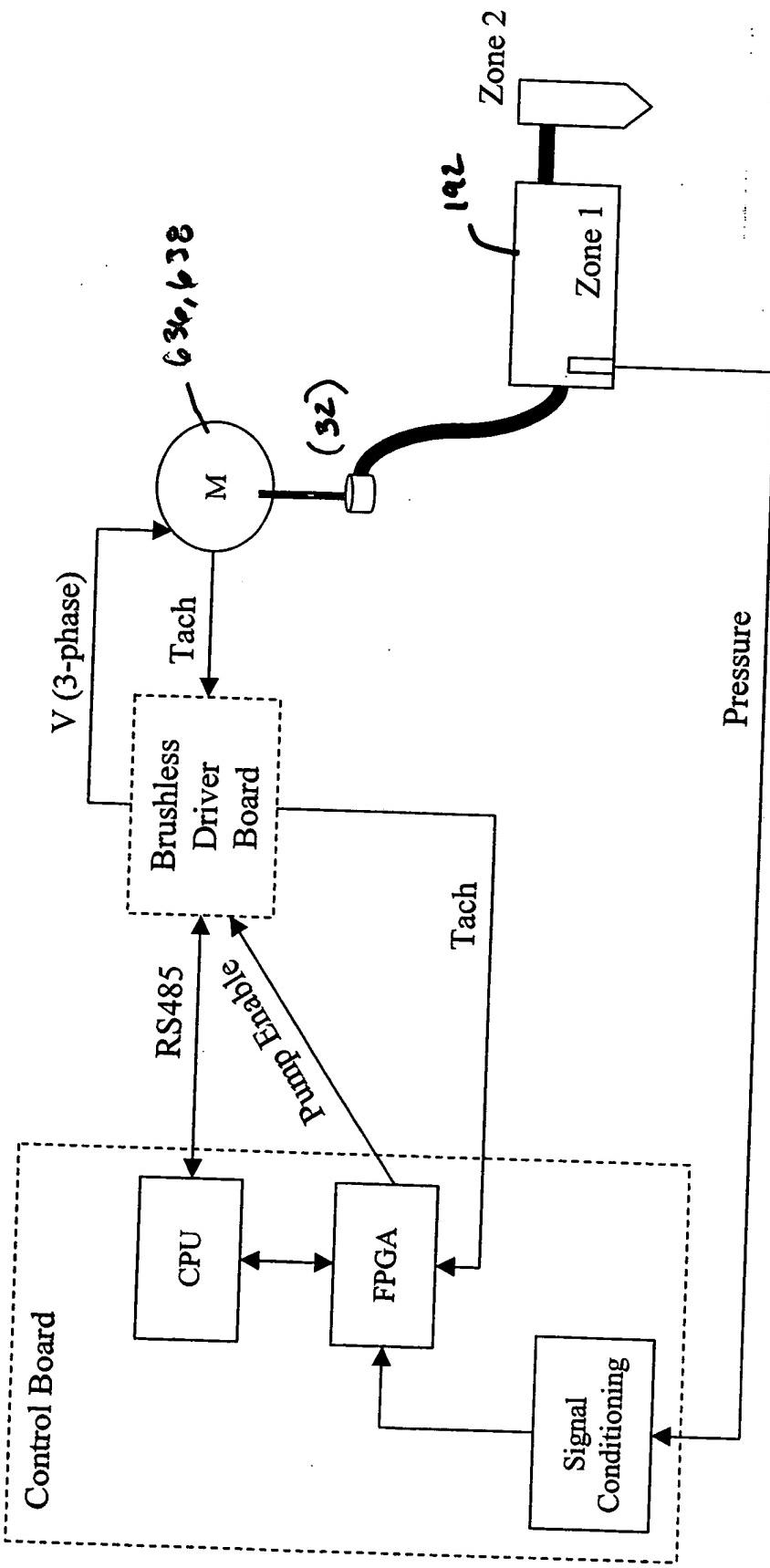


FIG. 195

Solvent System Control

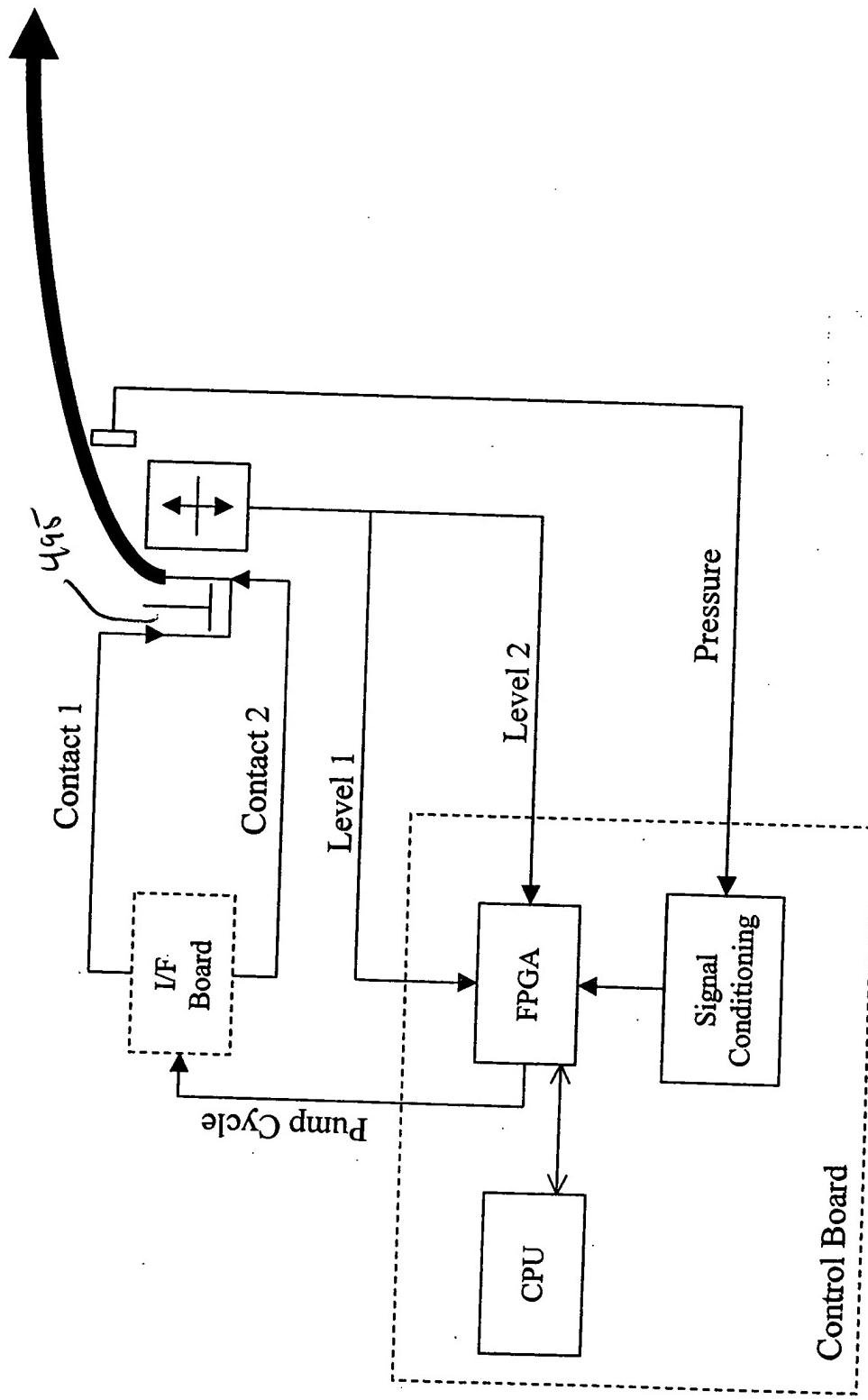
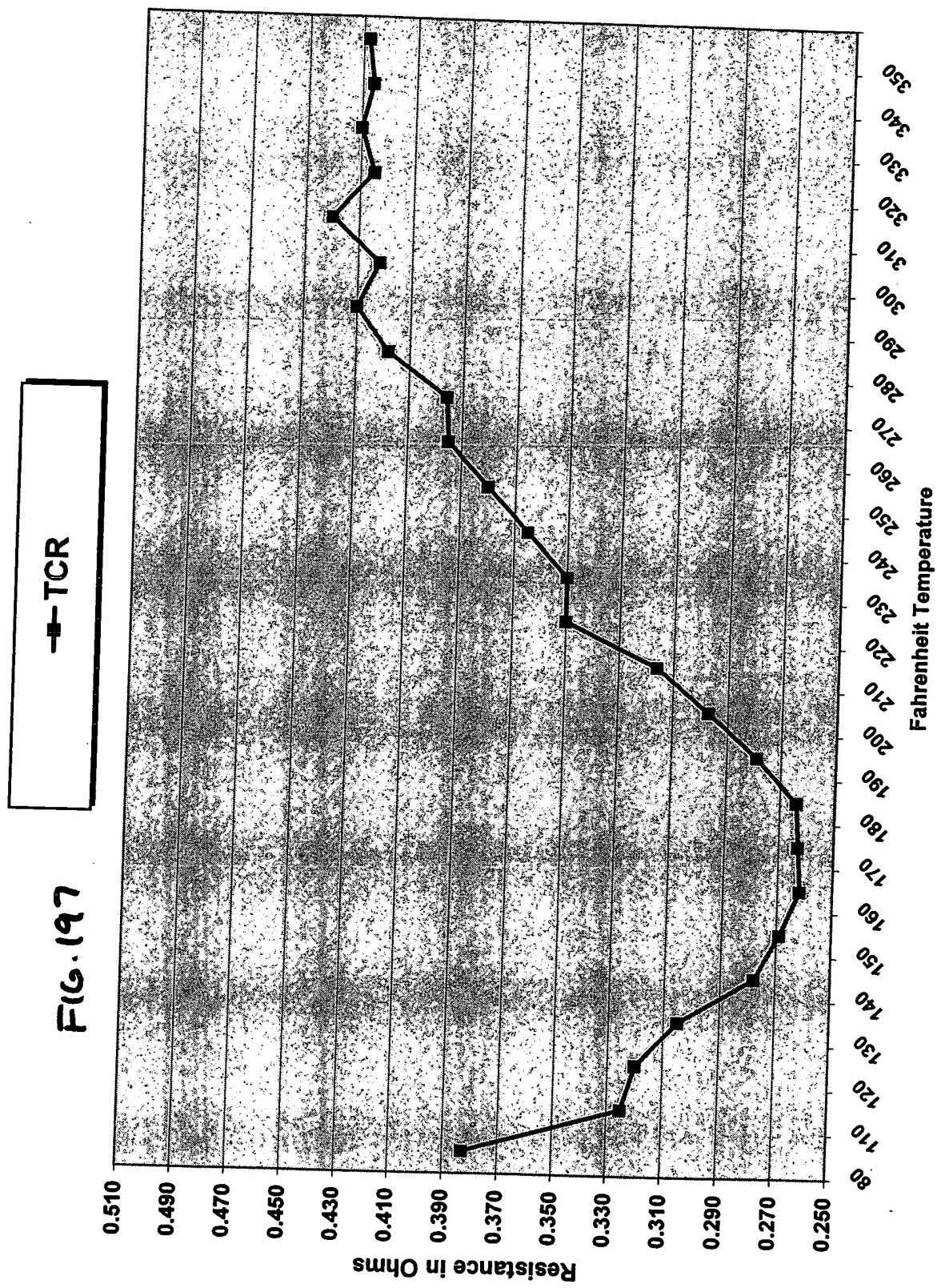


FIG. 196

Fig. 197



Film Advance/Tension Motor Tach Ratio

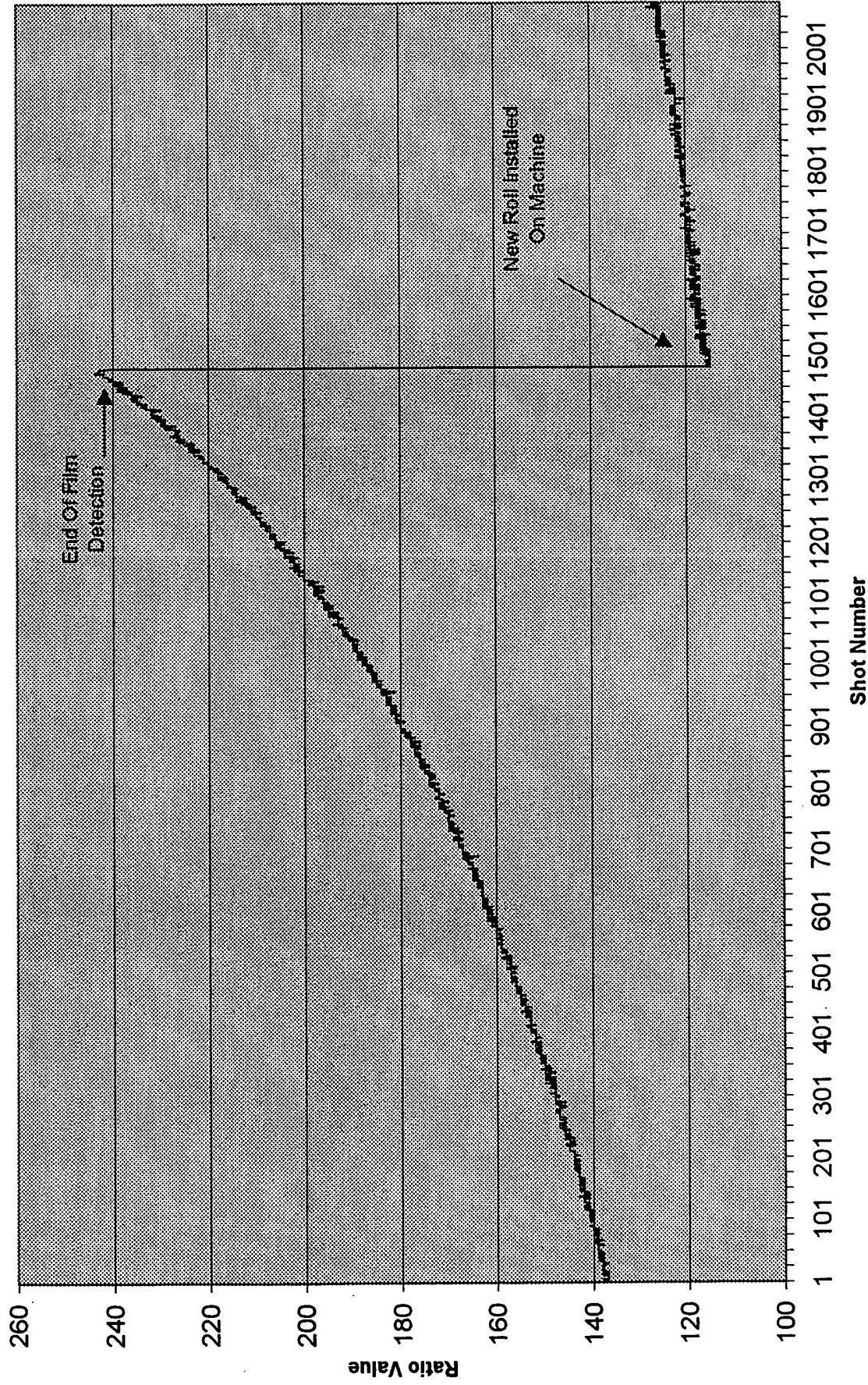


FIG. 198

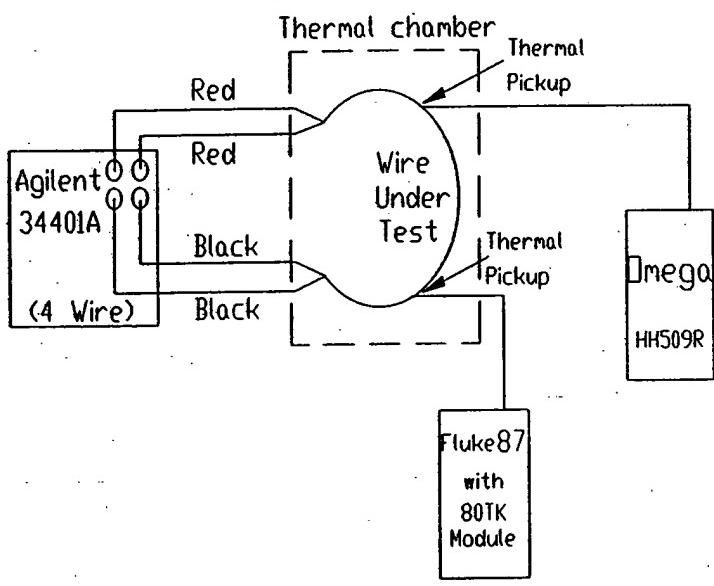


FIG. 199